

ELECTROMECHANICAL

Switches		
Basic / Snap Switches		
Cherry Electrical	1659, 1660, 1661	
Crouzet		1662
Honeywell Sensing & Control	1663, 1664, 1665	
Omron	1666, 1667, 1668, 1669, 1670, 1671	
Tactile Switches		
ALPS	1672, 1673, 1674	
C&K Components		1675
Mountain Switch	1676, 1677, 1678	
NKK		1679
Omron		1680
Panasonic		1681
Detection Switches		
ALPS		1682
C&K Components		1682
Panasonic		1682
Directional Switches & Encoders		
ALPS	1683, 1684	
Bourns	1685, 1686	
C&K Components		1683
Pushbutton Switches		
Alcoswitch / TE Connectivity		1687
Apem		1688
Bulgin		1689
C&K Components	1690, 1691, 1692, 1693	
Mountain Switch		1694, 1695
NKK	1696, 1697, 1698, 1699, 1700, 1701, 1702	
Schurter		1703, 1704, 1705
Shin Chin		1706
Toggle Switches		
Alcoswitch / TE Connectivity		1707
C&K Components	1708, 1709	
Carling Technologies		1710
Honeywell Sensing & Control		1711
Mountain Switch	1712, 1713, 1714, 1715, 1716	
NKK		1717, 1718, 1719
Rocker / Paddle Switches		
C&K Components		1721
Carling Technologies		1720
Cherry Electrical		1722
Marquardt		1723
Mountain Switch		1724
NKK		1725
Shin Chin		1726
Slide Switches		
Alcoswitch / TE Connectivity		1727
ALPS		1728
C&K Components	1729, 1730	
Mountain Switch		1731
NKK		1732
DIP / SIP Switches		
Alcoswitch / TE Connectivity		1733
C&K Components		1734
Mountain Switch		1735
Omron		1736
Rotary Switches		
C&K Components		1737
Electroswitch		1738
NKK		1739
Omron		1740
Thumbwheel Switches		
Omron		1741

Limit Switches		
Honeywell Sensing & Control	1742, 1743, 1744, 1745	
Switch Seals		
APM HEXSEAL		1746
Relays		
Frequency Relays		
Omron		1747
Panasonic		1748
Teledyne	1749, 1750, 1751, 1752	
PCB Low-Signal Relays		
Axicom / TE Connectivity		1758
Fujitsu		1753
Omron	1754, 1755, 1756	
Panasonic		1757
Potter & Brumfield / TE Connectivity		1759
PCB General Purpose Relays		
Fujitsu		1760, 1761
Magnecraft		1762
Omron	1763, 1764, 1765, 1766, 1767, 1768	
Panasonic	1769, 1770, 1771, 1772, 1773	
Automotive Relays		
Fujitsu		1774, 1775
NEC		1774
Omron		1775
Panasonic		1776, 1777, 1778
Reed Relays		
Coto Technology		1779, 1780
Magnecraft		1781
Meder		1782
Potter & Brumfield / TE Connectivity		1783
Solid State Relays I/O Modules		
Cii		1784, 1785
Clare		1786
Crouzet		1787
Crydom	1788, 1789, 1790, 1791, 1792, 1793, 1794	
Omron	1795, 1796, 1797, 1798	
Panasonic	1799, 1800, 1801, 1802, 1803, 1804	
Teledyne		1805, 1806
Vishay Semiconductors		1807
General Purpose / Industrial Relays		
Magnecraft	1808, 1809, 1810, 1811	
Omron	1812, 1813, 1814, 1815, 1816, 1817, 1818	
Panasonic		1822
Phoenix Contact		1823, 1824
Potter & Brumfield / TE Connectivity		1819, 1820, 1821
TE Connectivity		1825
Controllers / Counters / Timers		
Crouzet		1826, 1827
Omron	1828, 1829, 1830, 1831	
Circuit Breakers		
Carling Technologies		1832, 1833
Phoenix Contact		1834
Schurter		1835
Audio		
Kobitone		1836, 1837, 1838
Mallory Sonalert		1839, 1840, 1841
PUI Audio	1842, 1843, 1844, 1845, 1846	
Knobs		
Davies Molding		1847
Eagle Plastic Devices		1848, 1849, 1850
Hardware		
Eagle Plastic Devices	1851, 1852, 1853	
Harwin		1854, 1855

CHERRY Snap Action Switches



CHERRY DG SERIES: SUB-MINIATURE SNAP ACTION SWITCHES

Specifications:

- Package Size (In.) .504L x .228W x .255H

Typical Applications:

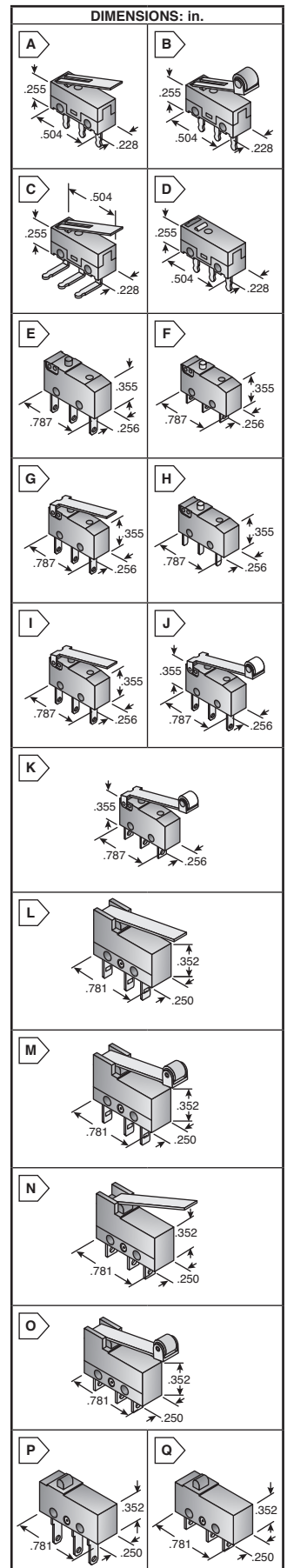
- Automotive
- Computer
- Medical Equipment



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length: in.	Actuator Style	Operating Force	Operating Position: in.	Price Each			
								1	50	100	250
50mA 30 VDC											
540-DG23-B1LA	DG23-B1LA	A	Insertion Molded	0.169	Straight	140	.268±.031/- .016				
540-DG23-B1RA	DG23-B1RA	B	Insertion Molded	0.075	Roller	140	.488±.020				
540-DG23-B3LA	DG23-B3LA	C	Insertion Molded Left	0.169	Straight	140	.268±.031/- .016				
3A 125 VAC, 2A 30 VDC											
540-DG13-B1AA	DG13-B1AA	D	Insertion Molded	-----	Button	140	.213±.008				
540-DG13-B1LA	DG13-B1LA	A	Insertion Molded	0.169	Straight	140	.268±.031/- .016				
540-DG13-B1RA	DG13-B1RA	B	Insertion Molded	0.075	Roller	140	.488±.020				



CHERRY DB SERIES: SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Package Size (In.) .787L x .256W x .355H
- DBxA: NO
- DBxB: NC
- DBxC: DT

Typical Applications:

- Amusement Machines
- Industrial Controls



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length: in.	Actuator Style	Operating Force	Operating Position: in.	Price Each			
								1	50	100	250
UL 0.1A, 125-250 VAC; VDE 100mA, 250V											
540-DB3C-B1AA	DB3C-B1AA	E	.110 x 0.20 QC	-	Button	150g	.330±.012				
540-DB3C-A1AA	DB3C-A1AA	F	.110 Short Solder	--	Button	150g	.330±.012				
540-DB3C-B1LB	DB3C-B1LB	G	.110 x 0.20 QC	0.189	Lever SR	60g	.421±.051				
540-DB3C-C1AA	DB3C-C1AA	H	.051 x 0.20 PCB	-----	Button	150g	.330±.012				
UL 5.0A, 125-250 VAC; VDE 6A, 250V											
540-DB1C-A1AA	DB1C-A1AA	F	.110 Short Solder	-	Button	150g	.330±.012				
540-DB1C-A1LB	DB1C-A1LB	I	.110 Short Solder	0.189	Lever SR	60g	.421±.051				
540-DB1C-B1AA	DB1C-B1AA	E	.110 x 0.20 QC	-	Button	150g	.330±.012				
540-DB1C-B1RC	DB1C-B1RC	J	.110 x 0.20 QC	0.185	Roller SR	55g	.638±.059				
540-DB1C-C1AA	DB1C-C1AA	H	.051 x 0.20 PCB	-	Button	150g	.330±.012				
UL 10.1A, 125-250 VAC 1/4 HP, 125 VAC; VDE 10 (1.5) A, 250V											
540-DB2C-A1RC	DB2C-A1RC	K	.110 Short Solder	0.185	Roller SR	95g	.638±.071				
540-DB2C-B1AA	DB2C-B1AA	E	.110 x 0.20 QC	-	Button	250g	.330±.012				
540-DB2C-B1RC	DB2C-B1RC	J	.110 x 0.20 QC	0.185	Roller SR	95g	.638±.071				
540-DB2C-C1AA	DB2C-C1AA	H	.051 x 0.20 PCB	-	Button	250g	.330±.012				

CHERRY E SERIES: SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Package Size (In.) .781L x .250W x .352H

Typical Applications:

- Amusement Machines
- Appliances



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length: in.	Actuator Style	Operating Force	Operating Position: in.	Price Each			
								1	50	100	250
0.1A, 125 VAC											
540-E63-00H	E63-00H	L	.093 Q.C.	0.271	Straight	27g	0.350±0.030				
540-E63-00K	E63-00K	M	.093 Q.C.	0.201	Roller	30g	0.570±0.030				
540-E63-10H	E63-10H	N	.143 Short Solder	0.271	Straight	27g	0.350±0.030				
540-E63-10K	E63-10K	O	.143 Short Solder	0.201	Roller	30g	0.570±0.030				
540-E63-30K	E63-30K	M	.110 Q.C.	0.201	Roller	30g	0.570±0.030				
5A, 125/250 VAC											
540-E61-00A	E61-00A	P	.093 Q.C.	-----	Button	90g	0.330±0.015				
540-E61-00H	E61-00H	L	.093 Q.C.	0.271	Straight	27g	0.350±0.030				
540-E61-00K	E61-00K	M	.093 Q.C.	0.201	Roller	30g	0.570±0.030				
540-E61-10A	E61-10A	Q	.143 Short Solder	-----	Button	90g	0.330±0.015				
540-E61-10H	E61-10H	N	.143 Short Solder	0.271	Straight	27g	0.350±0.030				
540-E61-10K	E61-10K	O	.143 Short Solder	0.201	Roller	30g	0.570±0.030				
540-E61-30A	E61-30A	P	.110 Q.C.	-----	Button	90g	0.330±0.015				
540-E61-30K	E61-30K	M	.110 Q.C.	0.201	Roller	27g	0.350±0.030				
540-E61-60H	E61-60H	N	.143 Short Solder	0.396	Straight HR	9g	0.350±0.175				
10.1A, 125/250 VAC											
540-E62-00A	E62-00A	P	.093 Q.C.	-----	Button	212g	0.330±0.015				
540-E62-00H	E62-00H	L	.093 Q.C.	0.271	Straight	56g	0.350±0.030				
540-E62-00K	E62-00K	M	.093 Q.C.	0.201	Roller	65g	0.570±0.030				
540-E62-10A	E62-10A	Q	.143 Short Solder	-----	Button	212g	0.330±0.015				
540-E62-10H	E62-10H	N	.143 Short Solder	0.271	Straight	56g	0.350±0.030				
540-E62-30A	E62-30A	P	.110 Q.C.	-----	Button	212g	0.330±0.015				
540-E62-50K	E62-50K	M	.093 Q.C.	0.326	Roller HR	33g	0.570±0.158				
540-E62-60H	E62-60H	N	.143 Short Solder	0.396	Straight HR	20g	0.350±0.175				

CHERRY Snap Action Switches



CHERRY E SERIES: GENERAL PURPOSE DOUBLE POLE SWITCHES

Specifications:

- Terminals: .250" Q.C.
- Package Size (in.) 1.823L x .644W x 1.125H

Typical Applications:

- Appliances
- Industrial Controls



RoHS Compliant

15A-125VAC/250VAC, 3/4HP-125VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (in.)	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
540-E19-00A	E19-00A	A	-	Button	850G	0.285±0.030				
540-E19-00H	E19-00H	B	1.5	Straight	205g	0.312±0.062				
540-E19-00J	E19-00J	C	-	3/8 x 32 thread, plastic button	850g	0.670±0.030				
540-E19-00M	E19-00M	C	-	3/8 x 32 thread, metal button	850g	0.812±0.030				
540-E19-50H	E19-50H	B	1.75	Straight	130g	0.281±0.062				

20A-125VAC/250VAC, 1HP-125VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (in.)	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
540-E20-00A	E20-00A	A	-	Button	1280g	0.248±0.030				
540-E20-00K	E20-00K	D	0.652	Roller	425g	0.860±0.062				
540-E20-00M	E20-00M	C	-	3/8 x 32 thread, metal button	1280g	0.774±0.030				
540-0012-0023	0012-0023	-	-	Brass Hex Nut	-	-				

CHERRY E SERIES: PANEL MOUNT SNAP ACTION SWITCHES

Specifications:

- Package Size (in.) 1.250L x .680W x .970H

Typical Applications:

- HVAC
- Office Equipment



RoHS Compliant

Single Pole

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
0.1 Amp, 125 VAC										
540-E68-00A	E68-00A	E	.187 Q.C.	Button	425g	0.720±0.820				
540-E68-30A	E68-30A	E	.187 Q.C.	Button	475g	0.610±0.710				
10 Amp, 125/250 VAC, 1/3 H.P., 125/250 VAC										
540-E69-00A	E69-00A	E	.187 Q.C.	Button	425g	0.610±0.710				
540-E69-30A	E69-30A	E	.187 Q.C.	Button	475g	0.610±0.710				
540-E69-40A	E69-40A	E	.187 Q.C.	Button	425g	0.300±0.400				

Double Pole

- Package Size (in.) 1.570L x .680W x .970H

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
0.1 Amp, 125 VAC										
540-E78-00A	E78-00A	F	.187 Q.C.	Button	680g	0.720±0.820				
10 Amp, 125/250 VAC, 1/3 H.P., 125/250 VAC										
540-E79-00A	E79-00A	F	.187 Q.C.	Button	680g	0.720±0.821				
540-E79-30A	E79-30A	F	.187 Q.C.	Button	757g	0.610±0.710				
540-E79-40A	E79-40A	F	.187 Q.C.	Button	680g	0.300±0.400				
540-F79-30A	F79-30A	F	.187 x .032 Q.C.	Button	757g	0.610±0.710				

CHERRY GP SERIES: HEAVY DUTY SNAP ACTION SWITCHES

Features:

- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Current switching to 20 amps
- Wide variety of actuators
- Screw or solder terminals standard
- Low operate forces available

Two versions are available, Replace () with: 1 U.S. version mounting holes, 0.140 or 0 Metric version mounting holes, 4.4



15A, 125VAC/250VAC

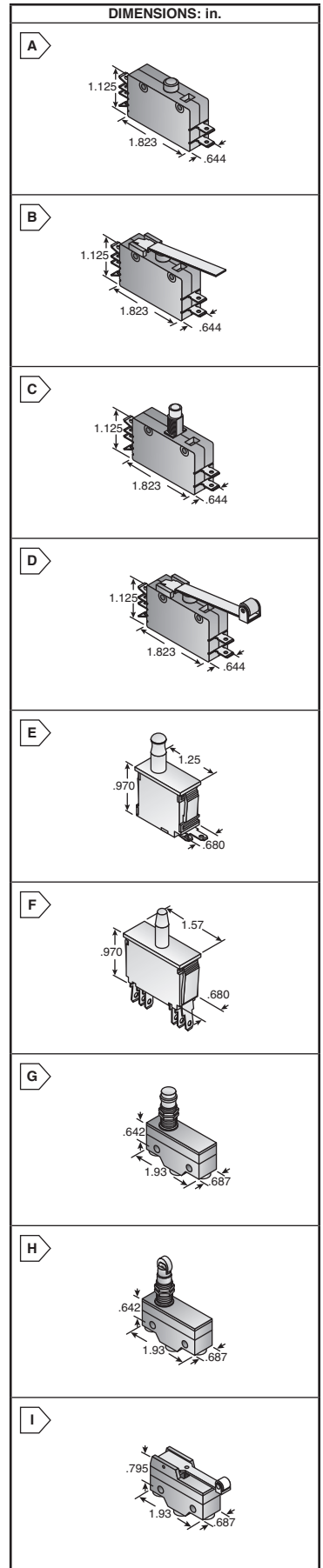
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (in.)	Actuator Style	Operating Force (oz.)	Operating Position (in.)	Price Each			
								1	50	100	250
540-GPTCNH_1	GPTCNH_1	G	Screw	-	Panel mount plunger	12.3	.826/.890				
540-GPTCRH_1	GPTCRH_1	H	Screw	-	Panel mount roller plunger	12.3	1.240/1.320				
540-GPTCRS_1	GPTCRS_1	I	Screw	1.91	Lever/Roller	3.5	1.157/1.221				

20A, 125VAC/250VAC

For quantities greater than listed, call for quote.

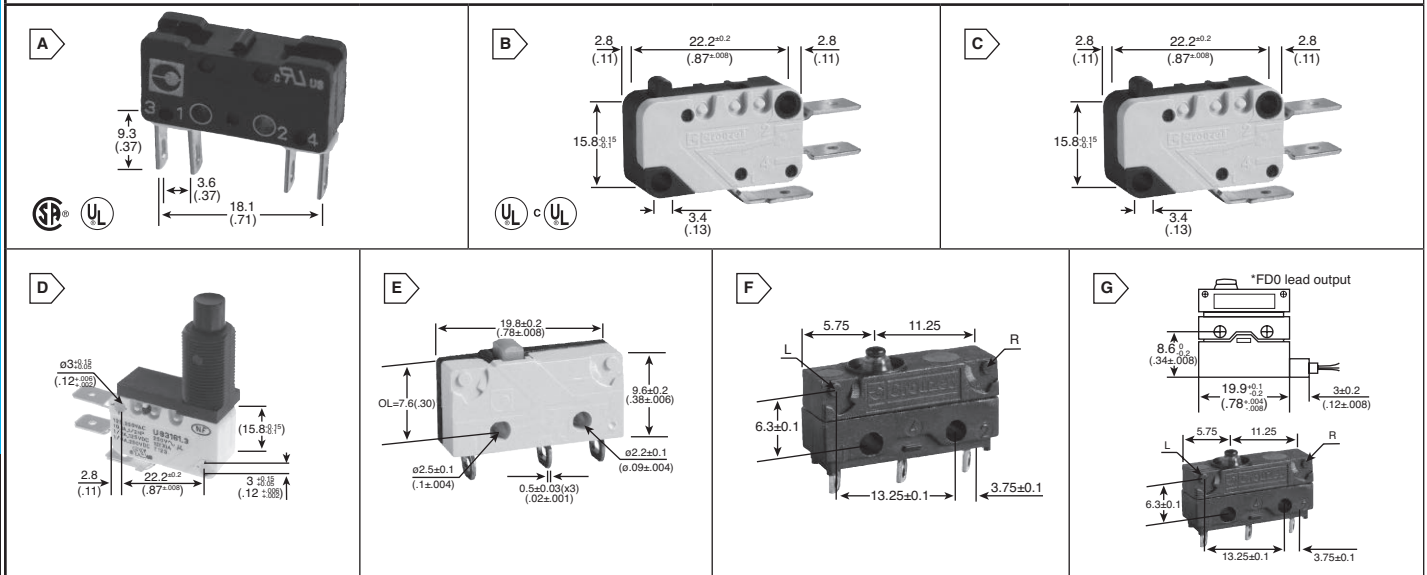
MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (in.)	Actuator Style	Operating Force (oz.)	Operating Position (in.)	Price Each			
								1	50	100	250
540-GPTBNH_1	GPTBNH_1	G	Screw	-	Panel mount plunger	12.3	.826/.890				



Cherry Snap Action Switches



DIMENSIONS: mm



BASIC / SNAP ACTION SWITCHES

*IP 67

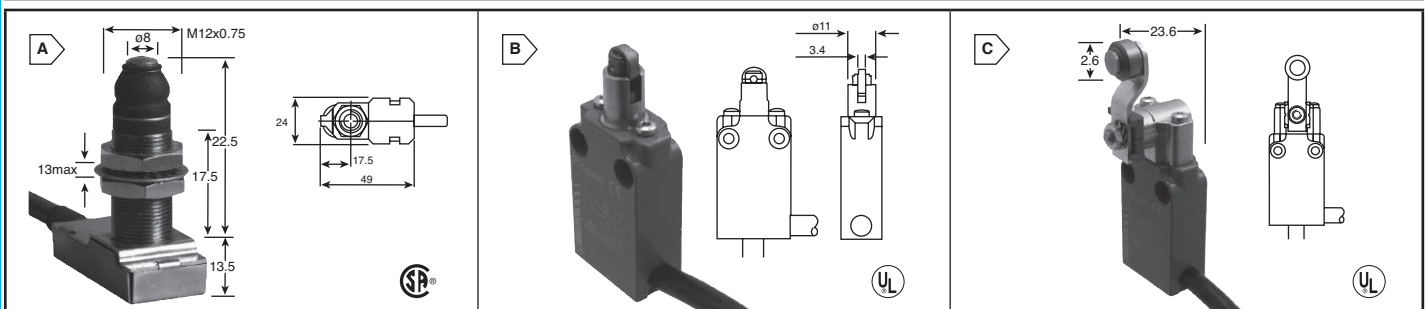
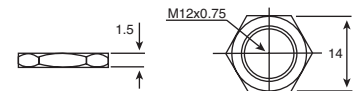
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Rating AC	Actuator	Form	Contact Rating	Current Force	Termination Style	Price Each			
									1	10	25	50
Subminiature												
874-831330C1.0	831330C1.0	A	250V	Pin Plunger	SPDT	5 A	1.6 N	Q.C.				
Miniature												
874-831612C6.0	831612C6.0	B	250V	Pin Plunger	SPDT	15.1 A	0.8 N	Q.C.				
874-831613C6.0	831613C6.0	B	250V	Pin Plunger	SPDT	10.1 A	0.8 N	Q.C.				
874-831618C6.0	831618C6.0	B	-	Pin Plunger	SPDT	0.1 A	0.8 N	Q.C.				
874-831613C6.EB	831613C6.EB	C	250V	Roller	SPDT	10.1 A	0.8 N	Q.C.				
874-831613C3.L	831613C3.L	D	250V	Plunger	SPDT	10.1 A	0.8 N	Q.C.				
Subminiature												
874-831704C2.0	831704C2.0	E	-	Plunger	SPDT	5 A	1.5 N	Solder				
Sealed Subminiature												
* 874-831860C2.0	831860C2.0	F	250 V	Roller Lever	SPDT	6 A	2.5 N	Solder				
* 874-831860CFD0.0	831860CFD0.0	G	250 V	Roller Lever	SPDT	6 A	2.5 N	Solder				

SWITCH ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Mouser Description	Price Each			
			1	10	25	50
874-70602118	70602118	NUTS FOR SW-83161-L for L type actuator				



LIMIT SWITCHES

IP Rating: IP 66, IP 67 depending on type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Rating AC	Voltage Actuator	Contact Form	Current Rating	Operating Force	Price Each			
								1	10	25	50
Automotive Limit Switches											
874-83733315	83733315	A	50V	Plunger	-	5 A	6 N				
Positive Opening Enclosed Limit Switches											
874-83871102	83871102	B	250V	Roller Plunger	SPDT-DB	10 A	36 N				
874-83873102	83873102	C	-	Roller Lever	SPDT-DB	10 A	15 N cm				

RoHS Compliant This product is RoHS compliant.

MICRO SWITCH™ PREMIUM SUBMINIATURE SNAP-ACTION Z SERIES

Features:

- Small size and light switches lend themselves to numerous potential applications.
- Choice of low energy or power-duty electrical ratings allow the switch to be specified in more types of applications
- Broad range of amp ratings (from 0.1A to 10.1A)
- Waterproof IP67 sealing available

Specifications:

- Contact Form: SPDT
- Operating Temperature: -40°C to 120°C (-40°F to 248°F)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Voltage	Actuator Type	Op. Force (max.)	Termination Style	Price Each		
							1	10	50
ZD Series - Watertight, IP67									
785-ZD30S60C02-Z	ZD30S60C02-Z	A	125Vac	Lever	130g	PCB			
785-ZD30S60A05-Z	ZD30S60A05-Z	A	125Vac	Lever	130g	PCB			
785-ZD30S60H02-Z	ZD30S60H02-Z	A	125Vac	Lever	130g	PCB			
ZM Series									
785-ZM50E10E01	ZM50E10E01	B	125/250Vac	Sim Roller Lever	0.34 N	Solder			
785-ZM90G20F01	ZM90G20F01	C	125/250Vac	Roller Lever	0.59 N	PCB Straight			
ZW Series - Watertight, IP67									
785-ZW10F15CD1-Z	ZW10F15CD1-Z	D	250Vac	Lever	203g	Solder			
785-ZW50F15AD1-Z	ZW50F15AD1-Z	D	250Vac	Plunger, Pin	203g	Solder			
785-ZW50F15CD1-Z	ZW50F15CD1-Z	D	250Vac	Lever	203g	Solder			
785-ZW50F15FD1-Z	ZW50F15FD1-Z	D	250Vac	Roller Lever	203g	Solder			
785-ZW50F91AW1-Z	ZW50F91AW1-Z	D	250Vac	Plunger, Pin	203g	Cable Side Exit			
785-ZW50F91CW1-Z	ZW50F91CW1-Z	D	250Vac	Lever	203g	Cable Side Exit			
785-ZW50F92AW1-Z	ZW50F92AW1-Z	D	250Vac	Plunger, Pin	203g	Cable Side Exit			
ZX Series									
785-ZX40E30A01	ZX40E30A01	E	125Vac	Pin Plunger	1.47 N	PCB Snap-in			

MICRO SWITCH™ PREMIUM MINIATURE AND SUB MINIATURE SWITCHES

SX Series Features:

- Small precision snap-action switch
- Power load switching capability up to 7A
- Temperature tolerance: -54°C to +121°C

SM Series Features:

- Power load switching capability up to 11A
- Temperature tolerance: -54°C to +85°C

785-11SM1	11SM1	F	250 Vac	Pin Plunger	1.39 N	Solder			
785-11SM1-T	11SM1-T	F	250 Vac	Pin Plunger	0.83 N	Solder			
785-11SM144	11SM144	F	250 Vac	Pin Plunger	0.83 N	Solder			
785-11SM1-T2	11SM1-T2	F	250 Vac	Pin Plunger	0.83 N	Solder			
785-11SM23-T	11SM23-T	F	125 Vac	Pin Plunger	0.83 N	Solder			
785-11SM3-T	11SM3-T	F	250 Vac	Pin Plunger	0.83 N	Solder			
785-11SM1	11SM1	G	250 Vac	Rod	--	Screw			
785-11SM1-T	11SM1-T	G	250 Vac	Straight Lever	1.95 N	Solder			
785-311SM1-T	311SM1-T	G	5A @ 250Vac	Straight Lever	1.4	Wire Wrap			
785-311SM2-H58	311SM2-H58	G	250 Vac	Straight Lever	0.30 N	QC			
785-311SM2-T	311SM2-T	G	5A @ 250Vac	Straight Lever	1.1	Wire Wrap			
785-311SM702-T	311SM702-T	G	4A @ 250Vac	Straight Lever	0.4	Solder			
785-111SM2	111SM2	H	125 Vac	Roller Lever	1.95 N	Solder			
785-111SM2-T	111SM2-T	I	250 Vac	Roller Lever	1.95 N	Solder			
785-12SX1-T	12SX1-T	I	125 Vac	Pin Plunger	0.7 N	Solder			
785-311SM3-H58	311SM3-H58	I	250 Vac	Straight Lever	0.15 N	QC			
785-311SM3-T	311SM3-T	I	5A @ 250Vac	Straight Lever	0.53	Solder			
785-311SM703-T	311SM703-T	I	4A @ 250Vac	Straight Lever	0.2	Solder			
785-4SX1-T	4SX1-T	I	250 Vac	Pin Plunger	1.39 N	Solder			
785-91SX39-T	91SX39-T	I	28 Vdc	Pin Plunger	1.39 N	Solder			
785-111SM23-T	111SM23-T	J	250 Vac	Roller Lever	1.95 N	Solder			
785-11SX21-T	11SX21-T	J	250 Vac	Pin Plunger	0.7 N	Solder			
785-1SX1-H58	1SX1-H58	J	250 Vac	Pin Plunger	1.39 N	QC			
785-1SX1-T	1SX1-T	J	7A @ 250Vac	Pin Plunger	1.39 N	Solder			
785-1SX74-T	1SX74-T	J	250 Vac	Pin Plunger	1.39 N	Solder			
785-2SX1-T	2SX1-T	J	250 Vac	Pin Plunger	0.83 N	Solder			
785-3SX1-T	3SX1-T	J	125 Vac	Pin Plunger	1.39 N	Solder			
785-411SM1	411SM1	J	250 Vac	Pin Plunger	2.09 N	Solder			
785-41SM1-T	41SM1-T	J	250 Vac	Pin Plunger	1.39 N	Solder			
785-41SM1-T2	41SM1-T2	J	250 Vac	Pin Plunger	1.39 N	Solder			
785-111SM602-H4	111SM602-H4	K	250 Vac	Roller Lever	1.95 N	QC			
785-311SM4-T	311SM4-T	L	250 Vac	Sim Roller Lever	0.39 N	Solder			
785-311SM5-T	311SM5-T	L	250 Vac	Sim Roller Lever	0.30 N	Solder			
785-311SM705-T	311SM705-T	L	250 Vac	Sim Roller Lever	0.12 N	Solder			
785-ZX40E10E01	ZX40E10E01	L	125 Vac	Sim Roller Lever	0.54 N	Solder			
785-21SX39-T	21SX39-T	M	250 Vac	Pin Plunger	1.39 N	Solder			
785-311SM6-T	311SM6-T	M	250 Vac	Roller Lever	0.39 N	Solder			
785-311SM68-T	311SM68-T	M	125 Vac	Roller Lever	0.39 N	Solder			
785-311SM706-T	311SM706-T	M	250 Vac	Roller Lever	0.16 N	Solder			
785-311SX1-T	311SX1-T	N	5A @ 250Vac	Straight Lever	1.76	Solder			
785-311SX2-T	311SX2-T	N	5A @ 250Vac	Straight Lever	1.1	Solder			
785-311SX3-T	311SX3-T	O	250 Vac	Straight Lever	0.20 N	Solder			
785-311SX4-T	311SX4-T	P	250 Vac	Sim Roller Lever	0.58 N	Solder			
785-311SX5-T	311SX5-T	Q	250 Vac	Sim Roller Lever	0.31 N	Solder			
785-313SX4-T	313SX4-T	Q	125 Vac	Sim Roller Lever	0.58 N	Solder			

MICRO SWITCH™ STANDARD BASIC SWITCHES

- Designed for outdoor, wash down, and high-dust environments, meets IP67 standards for sealing (wired version)
- Wide current range: 0.1 A, 5 A, and 10 A
- SPDT, SPNO, and SPNC options
- Straight, roller, simulated roller, and special actuators

- Available in wired and terminal options, special terminations available upon request
- Gold contacts available for low current operation
- Contact Form: SPDT
- Operating Force: 200 g Max.



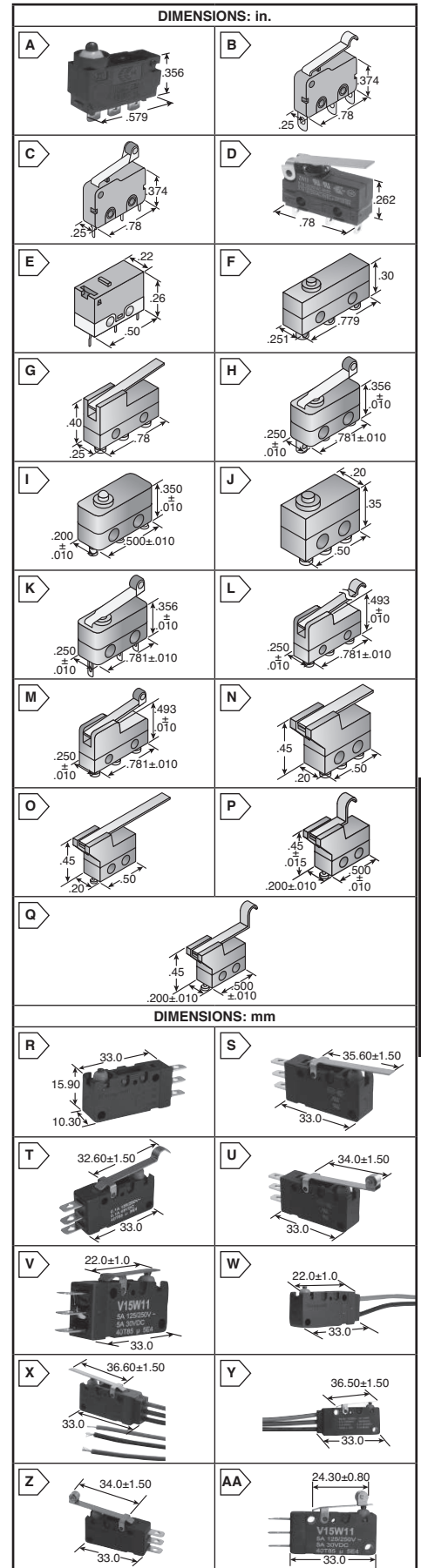
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Voltage	Actuator Type	Price Each		
					1	10	50
785-V15W11-DZ200-AW1	V15W11-DZ200-AW1	R	48VDC	Pin Plunger			
785-V15W11-DZ200A02W2	V15W11-DZ200A02-W2	S	30VDC	Standard Straight Lever			
785-V15W11-DZ200A04W2	V15W11-DZ200A04-W2	T	30VDC	Simulated Roller Lever			
785-V15W11-DZ200A06W2	V15W11-DZ200A06-W2	U	30VDC	Long Roller Lever			
785-V15W11-EZ200-W3	V15W11-EZ200-W3	V	250VDC	Pin Plunger			
785-V15W11-WZ200-W3	V15W11-WZ200-W3	W	250VDC	Pin Plunger			
785-V15W11WZ200A02W2	V15W11-WZ200A02-W2	X	30VDC	Standard Straight Lever			
785-V15W11DZ200A02AW	V15W11-DZ200A02-AW1	Y	48VDC	Standard Straight Lever			
785-V15W11DZ200A06AW	V15W11-DZ200A06-AW1	Z	48VDC	Long Roller Lever			
785-V15W11WZ200A06AW	V15W11-WZ200A06-AW1	AA	48VDC	Long Roller Lever			
785-V15W11DZ200A05AW	V15W11-DZ200A05-AW1	AA	48VDC	Roller Lever			
785-V15W11WZ200A02AW	V15W11-WZ200A02-AW1	X	48VDC	Standard Straight Lever			

© Copyright 2014 Mouser Electronics

mouser.com/honeywell

For current pricing, visit mouser.com



Honeywell Basic/Snap Switches

© Copyright 2014 Mouser Electronics

EUsales@mouser.com

1663

HONEYWELL Basic Switches



This product is RoHS compliant.



PREMIUM LARGE BASIC SWITCHES

The switch is on. Simple, superior, durable, and irreplaceable even by 21st-century standards, the MICRO SWITCH™ technology cycles on. Today, Honeywell Sensing and Control (S&C) manufactures millions of MICRO SWITCH™ basic switches annually for water and irrigation, aerospace and defense, industrial, off-highway, and medical applications. They are globally compliant, and known worldwide for their compact and lightweight design, accurate repeatability, and extended life.

Looking for enhanced accuracy and repeatability? Our premium line of MICRO SWITCH™ Large and Subminiature switches were designed for high-precision applications. Originally developed to support United States aircraft in World War II, advancements in packaging and operating controls have helped further expand applications over the past 75 years while maintaining enhanced and repeatability.

Features:

- Contact Form: SPDT
- Termination Style: Screw

Potential Applications:

- Irrigation systems
- Semi-trailer trucks
- Timing devices
- Office equipment
- Test instruments
- Medical/dental equipment
- HVAC equipment
- Manually operated devices
- Valves

* Termination Style: Solder

** Environmentally Sealed

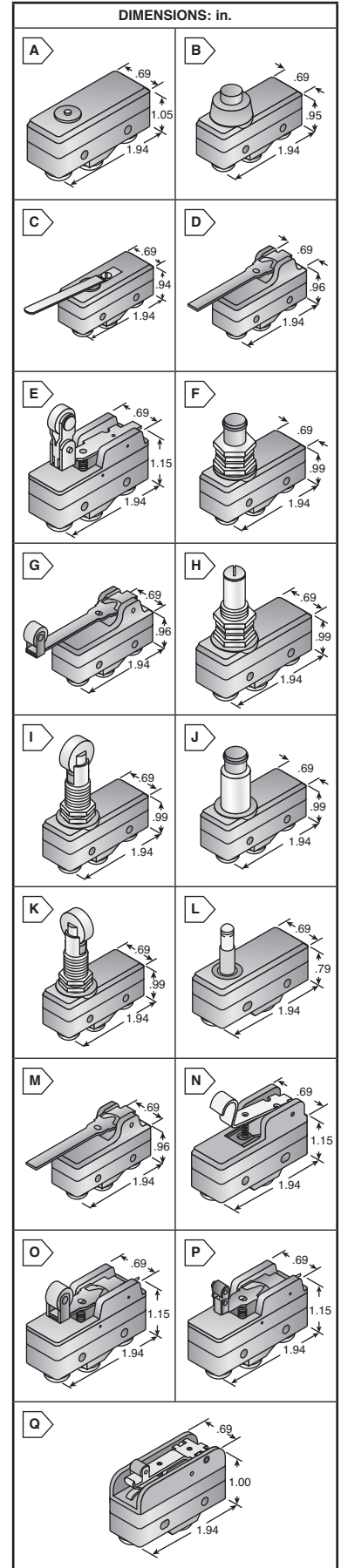
*** DEMKO



E12252

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Voltage	Actuator Type	Op. Force (max.)	Price Each		
						1	10	50
785-BA-2R-A2	BA-2R-A2	A	20A@480 VAC	Pin Plunger	14-22 N			
785-BA-2R708-P7	BA-2R708-P7	A	250 VAC	Pin Plunger	3.89 N			
* 785-BZ-2R	BZ-2R	A	250 VAC	Pin Plunger	3.61 N			
785-BZ-2R-A2	BZ-2R-A2	A	125 VAC	Pin Plunger	3.61 N			
785-BZ-2R-P4	BZ-2R-P4	A	250 VAC	Pin Plunger	3.61 N			
785-BZ-3YT	BZ-3YT	A	115 VAC	Pin Plunger	7.23 N			
785-BZ-R21-A2	BZ-R21-A2	A	125 VAC	Pin Plunger	1.11 N			
785-BA-2RB-A2	BA-2RB-A2	B	20A@480 VAC	Overtravel Plunger	14-22 N			
785-BZ-2RD-A2	BZ-2RD-A2	B	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RL-A2	BZ-2RL-A2	C	15A@480 VAC	Straight Lever 1.95"	5 N			
785-BZ-2RW805551-A2	BZ-2RW805551-A2	C	250 VAC	Straight Lever	0.7 N			
785-BZ-2RW8244-A2	BZ-2RW8244-A2	C	125 VAC	Straight Lever	0.7 N			
* 785-BZ-2RW84	BZ-2RW84	C	250 VAC	Straight Lever	0.28 N			
785-BZ-2RW84-A2	BZ-2RW84-A2	C	125 VAC	Straight Lever, 2.5"	0.28 N			
785-BZ-2RW863-A2	BZ-2RW863-A2	C	125 VAC	Straight Lever, .6"	0.28 N			
785-BZ-2RW899-A2	BZ-2RW899-A2	C	125 VAC	Straight Lever	0.7 N			
785-BZ-RW8435-A2	BZ-RW8435-A2	C	125 VAC	Straight Lever	7gf			
785-BA-2RV-A2	BA-2RV-A2	D	20A@480 VAC	Straight Lever 2.5"	2.5 N			
785-BA-2RV22-A2	BA-2RV22-A2	E	20A@480 VAC	Roller Lever 1.05"	6 N			
* 785-BZ-2RL2	BZ-2RL2	E	250 VAC	Roller Lever	1.39 N			
785-BZ-2RL2-A2	BZ-2RL2-A2	E	125 VAC	Roller Lever	1.39 N			
785-BZ-2RQ181-A2	BZ-2RQ181-A2	E	125 VAC	Overtravel Roller Plgr, Perp.	3.61 N			
* 785-BZ-2RW82	BZ-2RW82	E	250 VAC	Roller Lever	0.97 N			
785-BZ-2RW82-A2	BZ-2RW82-A2	E	125 VAC	Roller Lever	0.97 N			
* 785-BZ-2RW822	BZ-2RW822	E	250 VAC	Roller Lever	1.67 N			
785-BZ-2RW822-A2	BZ-2RW822-A2	E	125 VAC	Roller Lever	1.67 N			
785-BZ-2RW822-P4	BZ-2RW822-P4	E	15A@250 VAC	Roller Lever 1.05"	6 N			
* 785-BZ-2RW8225551-A2	BZ-2RW8225551-A2	E	250 VAC	Roller Lever	1.67 N			
785-BZ-2RW82299-A2	BZ-2RW82299-A2	E	250 VAC	Roller Lever, 1.02mm OT	1.67 N			
785-BZ-2RW822T	BZ-2RW822T	E	250 VAC	Roller Lever, 2.39mm OT	1.67 N			
785-BZ-2RW825551-A2	BZ-2RW825551-A2	E	125 VAC	Roller Lever, 3.96mm OT	0.97 N			
785-BZ-2RW826-A2	BZ-2RW826-A2	E	15A@480 VAC	Roller Lever 1.26"	6 N			
785-BZ-2RW8299-A2	BZ-2RW8299-A2	E	125 VAC	Roller Lever, 2.16mm OT	0.97 N			
785-BA-2RQ1-A2	BA-2RQ1-A2	F	20A@480 VAC	Panel Mt. Overtravel Plunger	14-22 N			
785-BA-2RV2-A2	BA-2RV2-A2	G	20A@250 VAC	Roller Lever 2.5"	3.5 N			
* 785-BZ-2RD	BZ-2RD	H	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RDS-A2-S	BZ-2RDS-A2-S	B	250 VAC	Overtravel Plunger	5.28 N			
* 785-BZ-2RN702	BZ-2RN702	H	125 VAC	Overtravel Plunger	3.61 N			
* 785-BZ-2RQ1	BZ-2RQ1	H	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ1-A2	BZ-2RQ1-A2	H	15A@125 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ1872-A2	BZ-2RQ1872-A2	H	1A@125 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ1T	BZ-2RQ1T	H	250 VAC	Overtravel Plunger, 5.56mm OT	3.61 N			
*** 785-BZ-2RQ66	BZ-2RQ66	H	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ68	BZ-2RQ68	H	250 VAC	Overtravel Plunger, 3.18mm OT	3.61 N			
785-BZ-2RQ69	BZ-2RQ69	H	250 VAC	Overtravel Plunger, 3.56mm OT	3.61 N			
*** 785-BZ-2RQ77	BZ-2RQ77	H	250 VAC	Overtravel Plunger, 3.56mm OT	3.61 N			
785-BZ-2RQ784	BZ-2RQ784	H	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-3RQ1-A2	BZ-3RQ1-A2	H	250 VAC	Overtravel Plunger	5.56 N			
* 785-BZ-2RQ18	BZ-2RQ18	I	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ18-A2	BZ-2RQ18-A2	I	125 VAC	Overtravel Roller Plunger	3.61 N			
785-BZ-2RQ18T	BZ-2RQ18T	I	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ-A2	BZ-2RQ-A2	J	125 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RQ785	BZ-2RQ785	K	250 VAC	Overtravel Plunger	3.61 N			
* 785-BZ-2RS	BZ-2RS	L	250 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RS-A2	BZ-2RS-A2	L	125 VAC	Overtravel Plunger	3.61 N			
785-BZ-2RW80-A2	BZ-2RW80-A2	M	15A@480 VAC	Straight Lever 2.5"	2.5 N			
785-BZ-2RW80147-A2	BZ-2RW80147-A2	N	125 VAC	Straight Lever	1.67 N			
785-BZ-2RW82255-A2-S	BZ-2RW82255-A2-S	O	15A@480 VAC	Roller Lever 1.05"	6 N			
785-BZ-2RW825-A2	BZ-2RW825-A2	P	15A@480 VAC	Roller Lever 0.868"	8 N			
785-BZ-RW922-A2	BZ-RW922-A2	Q	10A@125 VAC	Roller Lever 1.25"	12 N			



HONEYWELL Basic Switches



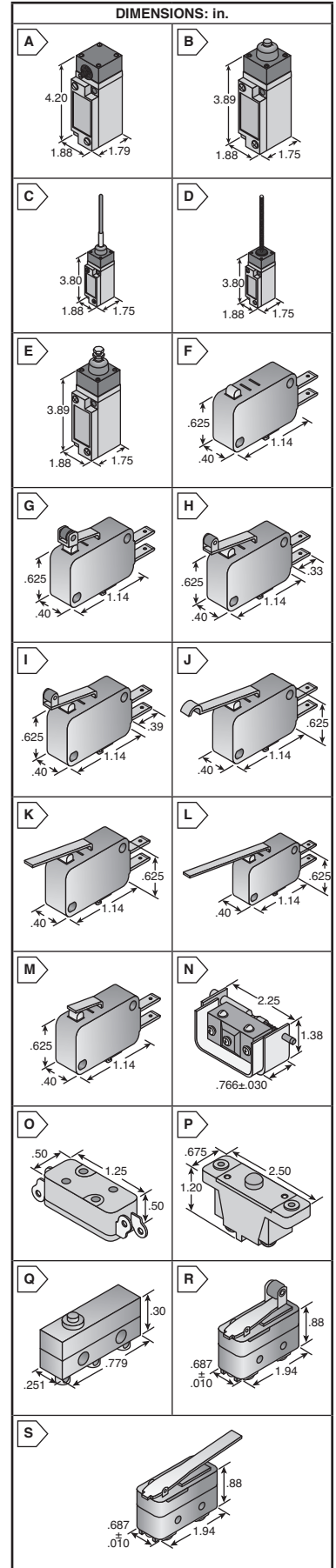
This product is RoHS compliant.

MICRO SWITCH™ HEAVY-DUTY LIMIT SWITCHES

Housed in a rugged, die-cast body, the switch is epoxy coated for protection. Wide choice of mounting and actuator options. Low temperature and fluorocarbon (high temperature) construction, as well as factory-sealed, pre-wired versions, are available.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Contact Form	Circuitry	Actuator Type	Op. Force (Max.)	Price Each		
							1	10	50
785-LSA1A	LSA1A	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSA3K	LSA3K	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
* 785-LSA4L	LSA4L	A	DPDT	2 NC 2 NO	Side Rotary	0.45 N			
785-LSA7L	LSA7L	A	DPDT	2 NC 2 NO	Side Rotary	0.45 N			
785-LSM2D	LSM2D	A	DPDT	2 NC 2 NO	Side Rotary	0.45 N			
785-LSM6D	LSM6D	A	DPDT	2 NC 2 NO	Side Rotary	0.45 N			
785-LSN1A	LSN1A	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSU1A	LSU1A	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSU3K	LSU3K	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSW1A	LSW1A	A	SPDT	1 NC 1 NO	Side Plunger-adj.	26.69 N			
785-LSYAB3K	LSYAB3K	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSYPB1A	LSYPB1A	A	SPDT	1 NC 1 NO	Side Rotary	0.45 N			
785-LSC1A	LSC1A	B	SPDT	1 NC 1 NO	Top Plunger	17.79 N			
785-LSJ1A-7A	LSJ1A-7A	C	SPDT	1 NC 1 NO	Wobble-Plastic Rod	2.78 N			
785-LSK1A-8C	LSK1A-8C	D	SPDT	1 NC 1 NO	Wobble-Coil Spring	1.95 N			
785-LSV1A	LSV1A	E	SPDT	1 NC 1 NO	Top Plunger-adj.	17.79 N			



V-BASIC SWITCHES

* Termination Style: Quick Connect

* Solder Lug
† Through Hole

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Contact Form	Voltage	Actuator Type	Op. Force (Max.)	Price Each		
							1	10	50
785-V7-1B17D8	V7-1B17D8	F	SPDT	250VAC	Pin Plunger	1.47 N			
785-V7-1C17D8	V7-1C17D8	F	SPDT	250VAC	Pin Plunger	1.47 N			
785-V7-1C17E9	V7-1C17E9	F	SPDT	277VAC	Pin Plunger	1.47 N			
785-V7-1S17D8	V7-1S17D8	F	SPDT	125VAC	Pin Plunger	1.47 N			
785-V7-1V19E9	V7-1V19E9	F	SPDT	277VAC	Pin Plunger	2.21 N			
785-V7-1V29E9	V7-1V29E9	F	SPNO	277VAC	Pin Plunger	2.21 N			
785-V7-1Z19E9	V7-1Z19E9	F	SPDT	250VAC	Pin Plunger	7.9 N			
785-V7-1Z29E9	V7-1Z29E9	F	SPNO	250VAC	Pin Plunger	7.9 N			
785-V7-2B17D8	V7-2B17D8	F	SPDT	250VAC	Pin Plunger	2.63 N			
785-V7-3E17D8	V7-3E17D8	F	SPDT	277VAC	Pin Plunger	0.49 N			
785-V7-4A17D8	V7-4A17D8	F	SPDT	250VAC	Pin Plunger	0.25 N			
785-V7-5F17D8	V7-5F17D8	F	SPDT	250VAC	Pin Plunger	0.15 N			
785-V7-6B19D8	V7-6B19D8	F	SPDT	277VAC	Pin Plunger	1.67 N			
785-V7-6C17D8	V7-6C17D8	F	SPDT	277VAC	Pin Plunger	1.67 N			
785-V7-1C17D8-201	V7-1C17D8-201	G	SPDT	277VAC	Roller Lever	1.72 N			
785-V7-1C17E9-201	V7-1C17E9-201	G	SPDT	277VAC	Roller Lever	1.72 N			
785-V7-2B17D8-201	V7-2B17D8-201	G	SPDT	277VAC	Roller Lever	0.86 N			
785-V7-2S17D8-201	V7-2S17D8-201	G	SPDT	125VAC	Roller Lever	0.88 N			
785-V7-7B17D8-201	V7-7B17D8-201	G	SPDT	277VAC	Roller Lever	2.78 N			
785-V7-2B17D8-207	V7-2B17D8-207	G	SPDT	277VAC	Roller Lever	.44 N			
785-V7-7D17D8-207	V7-7D17D8-207	G	SPDT	125VAC	Roller Lever	1.39 N			
785-V7-1C13D8-201	V7-1C13D8-201	G	SPDT	277VAC	Roller Lever	6.17 N			
785-V7-1C17E9-207	V7-1C17E9-207	H	SPDT	277VAC	Roller Lever	0.84 N			
785-V7-1B17D8-207	V7-1B17D8-207	I	SPDT	277VAC	Roller Lever	3 N			
785-V7-1C17D8-207	V7-1C17D8-207	I	SPDT	277VAC	Roller Lever	3.2 N			
785-V7-1B17D8-263	V7-1B17D8-263	J	SPDT	277VAC	Sim Roller Lever	0.88 N			
785-V7-1C17D8-263	V7-1C17D8-263	J	SPDT	277VAC	Sim Roller Lever	0.89 N			
785-V7-1S17D8-263	V7-1S17D8-263	J	SPDT	125VAC	Sim Roller Lever	0.88 N			
785-V7-6C17D8-263	V7-6C17D8-263	J	SPDT	277VAC	Sim Roller Lever	2.22 N			
785-V7-7B19D8-263	V7-7B19D8-263	J	SPDT	277VAC	Sim Roller Lever	1.39 N			
785-V7-1B17D8-022	V7-1B17D8-022	K	SPDT	277VAC	Straight Lever	0.80 N			
785-V7-1C17D8-022	V7-1C17D8-022	K	SPDT	277VAC	Straight Lever	0.80 N			
785-V7-1S17D8-022	V7-1S17D8-022	K	SPDT	125VAC	Straight Lever	0.83 N			
785-V7-3E17E9-022	V7-3E17E9-022	K	SPDT	277VAC	Straight Lever	0.29 N			
785-V7-1B19D8-022	V7-1B19D8-022	K	SPDT	277VAC	Straight Lever	2.9 N			
785-V7-2B17D8-022	V7-2B17D8-022	K	SPDT	277VAC	Straight Lever	1.5 N			
785-V7-1B17D8-048	V7-1B17D8-048	L	SPDT	277VAC	Straight Lever	0.49 N			
785-V7-1C17D8-048	V7-1C17D8-048	L	SPDT	277VAC	Straight Lever	0.44 N			
785-V7-1V19E9-048	V7-1V19E9-048	L	SPDT	277VAC	Straight Lever	0.54 N			
785-V7-3S17D8-048	V7-3S17D8-048	L	SPDT	125VAC	Straight Lever	0.16 N			
785-V7-6B19D8-057	V7-6B19D8-057	L	SPDT	250VAC	Straight Lever	0.54 N			
785-V7-9W1AE9-048	V7-9W1AE9-048	L	SPDT	250VAC	Straight Lever	0.88 N			
785-V7-2B17D8-048	V7-2B17D8-048	L	SPDT	277VAC	Straight Lever	0.7 N			
* 785-V7-6C17D8-048-1	V7-6C17D8-048-1	L	SPDT	277VAC	Straight Lever	4.23 N			
785-V7-1C17D8-002	V7-1C17D8-002	M	SPDT	277VAC	Straight Lever	1.57 N			
785-V7-6C18D8-002	V7-6C18D8-002	M	SPDT	277VAC	Straight Lever	4.05 N			

MICRO SWITCH™ SPECIAL APPLICATION PRECISION SWITCHES

Contain a spring and set of contacts that convert mechanical energy applied to an actuator into an electrical output. Products include door interlocks that automatically cut power when a service drawer is opened, as well as switches that can handle a variety of special electrical load requirements. Wide variety of actuators, terminations, circuitry configurations, electrical ratings, contact materials, operating characteristics and sealing provide application flexibility. U.S., European and other approval agency compliance allow global use.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Contact Form	Voltage	Actuator Type	Op. Force (max.)	Termination Style	Price Each		
								1	10	50
785-1AC2	1AC2	N	SPDT	250Vac	Rod	N/A	Screw			
785-1TB1-2	1TB1-2	O	DPDT	250Vac	Pin Plunger	3.61 N	Solder			
785-3MN1	3MN1	P	DPDT	480Vac	Pin Plunger	5.56 N	Screw			
785-DT-2R-A7	DT-2R-A7	Q	DPDT	28Vdc	Pin Plunger	2.78 N	Screw			
785-MT-4RV22-A28	MT-4RV22-A28	R	SPDT	125Vdc	Roller Lever	1.25 N	Screw			
785-MT-4RV-A28	MT-4RV-A28	S	SPDT	125Vdc	Straight Lever	0.56 N	Screw			

OMRON Basic Snap Action Switches



RoHS Compliant This product is RoHS compliant.

OMRON D3M SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Electrical rating: 0.1A @ 30VDC, resistive
- Contact material: Gold alloy
- Insulation resistance: 100MQ min. @ 500VDC

Features:

- Saves wiring effort, production steps and time
- Easy wiring ensured through the Quick-Connect terminals
- External actuator mounts in either of two directions



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Contact Form	Operating Force (Max.)	Price Each			
						1	25	50	100
653-D3M-01K1-3	D3M-01K1-3	A	Hinge lever	SPST-NO	51 gf				
653-D3M-01L3	D3M-01L3	B	Simulated roller lever	SPST-NC	102 gf				
653-D3M-01K3-3	D3M-01K3-3	C	Simulated roller lever	SPST-NO	51 gf				
653-D3M-01L3-3	D3M-01L3-3	B	Simulated roller lever	SPST-NO	102 gf				
653-D3M-01L2	D3M-01L2	D	Hinge roller lever	SPST-NO	102 gf				
653-D3M-01K2-3	D3M-01K2-3	E	Hinge roller lever	SPST-NO	51 gf				
653-D3M-01L2-3	D3M-01L2-3	D	Hinge roller lever	SPST-NO	102 gf				

OMRON D3V SERIES: COST-EFFECTIVE SNAP ACTION SWITCHES

Specifications:

- Contact material: Silver alloy
- Insulation resistance: 100MQ min. @ 500VDC

Features:

- Reliable basic switch with external lever
- Self-cleaning contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Contact Form	Operating Force (Max.)	Terminals	Contact Gap (mm)	Mounting Hole (mm)	Price Each	
									1	25
No Hinge, Rated 16A @ 250VAC										
653-D3V-16-1C5	D3V-16-1C5	F	Pin plunger	SPDT	200 gf	QC #250	1.0	3.1		
Internal Hinge, Rated 11A @ 250VAC										
653-D3V-11G1C25	D3V-11G1C25K	G	Short hinge lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-11G21C25	D3V-11G21C25K	H	Hinge lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-11G31-1C25-K	D3V-11G31-1C25-K	I	Long hinge lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-11G41C25	D3V-11G41C25K	J	Sim. roller lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-11G61C25	D3V-11G61C25K	K	Hinge roller lever	SPDT	200 gf	QC #187	0.5	2.9		
Internal Hinge, Rated 16A @ 250VAC										
653-D3V-16G1C25	D3V-16G1C25-K	F	Pin plunger	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-16G1C25A	D3V-16G-1C25	F	Pin plunger	SPDT	200 gf	QC #187	0.5	3.1		
653-D3V-16G-3C25	D3V-16G-3C25	F	Pin plunger	SPST-NO	200 gf	QC #187	0.5	3.1		
653-D3V-16G21C25	D3V-16G21C25K	H	Hinge lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-16G41C25	D3V-16G41C25K	J	Sim. roller lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-16G61C25	D3V-16G61C25K	K	Hinge roller lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-166-1C5	D3V-166-1C5	K	Hinge roller lever	SPDT	200 gf	QC #250	1.0	3.1		
Internal Hinge, Rated 21A @ 250VAC										
653-D3V-21G-1C4A-K	D3V-21G-1C4A-K	F	Pin plunger	SPDT	125 gf	QC #250	0.5	2.9		
External Hinge, Rated 11A @ 250VAC										
653-D3V-11G4M1C25	D3V-11G4M1C25K	L	Sim. roller lever	SPDT	200 gf	QC #187	0.5	2.9		
653-D3V-11G6M1C25	D3V-11G6M1C25K	M	Hinge roller lever	SPDT	200 gf	QC #187	0.5	2.9		
External Hinge, Rated 16A @ 250VAC										
653-D3V-16G2M1C25	D3V-16G2M1C25K	N	Hinge lever	SPDT	200 gf	QC #187	0.5	2.9		

OMRON J SERIES: ULTRA-SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: Gold-plated silver

Features:

- Allows large-capacity switching in small package



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Rating @ 125VAC	Actuator Type	Operating Force (Max.)	Price Each			
						1	25	50	100
653-J-7	J-7	O	7A	Pin plunger	140 gf				
* 653-J-7Y	J-7Y	O	7A	Pin plunger	140 gf				
653-J-7-V	J-7-V	P	7A	Short hinge lever	50 gf				
653-J-7-V4	J-7-V4	Q	7A	Long hinge lever	20 gf				

* Silver Contacts

OMRON D2F SERIES: PC MOUNT SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2F Silver alloy / D2F-01 Gold alloy
- Insulation resistance: 100MQ min. @ 500VDC

Features:

- Long life span assured by high-precision dual spring reverse-action mechanism



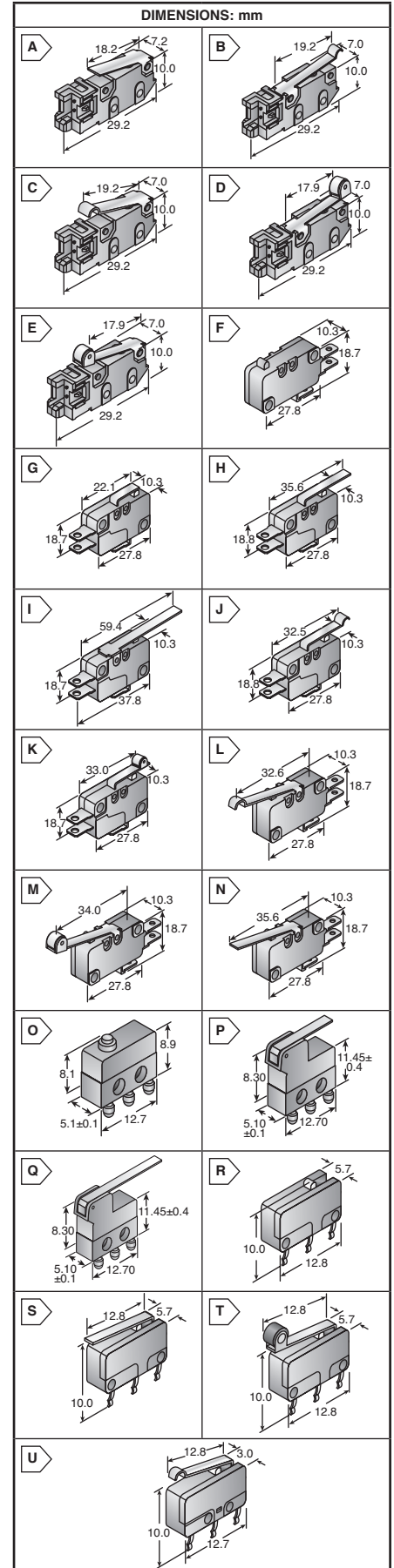
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (Max.)	Terminals	Price Each				
						1	25	50	100	
General Purpose, Low Force, Rated 1A @ 125VAC / 0.5A @ 30VDC										
653-D2FF	D2F-F	R	Pin plunger	75 gf	PCB straight					
653-D2FF-FL	D2F-FL	S	Hinge lever	25 gf	PCB straight					
653-D2FFLA	D2F-FL-A	S	Hinge lever	25 gf	Right-angled PCB					
653-D2FF-FL-A1	D2F-FL-A1	S	Hinge lever	25 gf	Left-angled PCB					
General Purpose, Standard, Rated 3A @ 125VAC / 2A @ 30VDC										
653-D2F	D2F	R	Pin plunger	150 gf	PCB straight					
653-D2F-T	D2F-T	R	Pin plunger	150 gf	Self-clinching PCB					
653-D2F-D3	D2F-D3	R	Pin plunger	150 gf	Solder					
653-D2FL20	D2F-L20	T	Hinge roller lever	25 gf	PCB straight					
653-D2F-L	D2F-L	S	Hinge lever	80 gf	PCB straight					
653-D2F-L-A	D2F-L-A	S	Hinge lever	80 gf	Right-angled PCB					
653-D2F-L-A1	D2F-L-A1	S	Hinge lever	80 gf	Left-angled PCB					
653-D2F-L-D	D2F-L-D	S	Hinge lever	80 gf	Compact solder					
653-D2FL3	D2F-L3	U	Simulated roller lever	80 gf	PCB straight					
653-D2FL2	D2F-L2	T	Hinge roller lever	80 gf	PCB straight					
653-D2FL2-T	D2F-L2-T	T	Hinge roller lever	80 gf	Self-clinching PCB					
653-D2FL2-D	D2F-L2-D	T	Hinge roller lever	80 gf	Compact solder					
Micro-Load, Low Force, Rated 0.1A @ 30VDC										
653-D2F-01F	D2F-01F	R	Pin plunger	75 gf	PCB straight					
653-D2F-01FL	D2F-01FL	S	Hinge lever	25 gf	PCB straight					
653-D2F-01FL-A	D2F-01FL-A	S	Hinge lever	25 gf	Right-angled PCB					
653-D2F-01FLD	D2F-01FL-D	S	Hinge lever	25 gf	Compact solder					
Micro-Load, Standard, Rated 0.1A @ 30VDC										
653-D2F-01	D2F-01	R	Pin plunger	150 gf	PCB straight					
653-D2F-01-D	D2F-01-D	R	Pin plunger	150 gf	Compact solder					
653-D2F-01L	D2F-01L	S	Hinge lever	80 gf	PCB straight					
653-D2F01L-A	D2F-01L-A	S	Hinge lever	80 gf	Right-angled PCB					
653-D2F-01L-D	D2F-01L-D	S	Hinge lever	80 gf	Compact solder					
653-D2F-01L3	D2F-01L3	U	Simulated roller lever	80 gf	PCB straight					
653-D2F-01L2	D2F-01L2	T	Hinge roller lever	80 gf	PCB straight					

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics



OMRON Basic Switches



RoHS Compliant This product is RoHS compliant.

OMRON D2MQ SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: 0.5A silver-plated; 50mA gold-plated
- Contact gap: 0.15mm
- Use M1.4 mounting screws to mount the switch

Features:

- Excellent electrical characteristics with a snap action mechanism despite superminiaturized design
- Ideal for applications where size is extremely limited and high reliability is demanded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 50mA @ 30VDC									
653-D2MQ-1-105	D2MQ-1-105	A	Pin plunger	120 gf	PCB straight				
Contact Rating 0.5A @ 30VDC									
653-D2MQ-1	D2MQ-1	A	Pin plunger	120 gf	PCB straight				
653-D2MQ-1-TL	D2MQ-1-TL	A	Pin plunger	120 gf	Left-angled PCB				
653-D2MQ-1-L	D2MQ-1-L	A	Leaf lever	60 gf	PCB straight				
653-D2MQ-1-L-TR	D2MQ-1-L-TR	A	Leaf lever	60 gf	Right-angled PCB				
653-D2MQ-1-L-TL	D2MQ-1-L-TL	A	Leaf lever	60 gf	Left-angled PCB				
653-D2MQ-4L-1	D2MQ-4L-1	A	Hinge leaf lever	40 gf	PCB straight				
653-D2MQ-4L-1-R	D2MQ-4L-1-R	A	Hinge leaf lever	40 gf	Right-angled PCB				
653-D2MQ-4L-1-L	D2MQ-4L-1-L	A	Hinge leaf lever	40 gf	Left-angled PCB				

OMRON D2T SERIES: DPST-NO COMPACT SNAP ACTION SWITCHES

Specifications:

- Contact material: Silver
- Electrical ratings: 5A @ 125/250VAC between terminals 1 & 2; 0.1A @ 125VAC between terminals 3 & 4
- Insulation resistance: 100MΩ min. @ 500VDC

Features:

- Incorporates circuits for power and low-level loads
- Contact gap of 0.7mm min.
- Panel or screw mounted with ease



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2T-T1S	D2T-T1S	B	Pin plunger	330 gf	Straight solder				
653-D2T-T1	D2T-T1	B	Pin plunger	330 gf	Right-angled solder				
653-D2T-LT1S	D2T-LT1S	B	Hinge lever	150 gf	Straight solder				
653-D2T-LT1	D2T-LT1	B	Hinge lever	150 gf	Right-angled solder				

OMRON SS-P SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact material: SS-3P - silver alloy rivet; SS-01P - gold alloy crossbar
- Contact gap: 0.5mm

Features:

- Insert molded case for enhanced resistance to flux
- Simple construction with single-leaf spring
- SS series compatible mounting



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-SS-01GP	SS-01GP	C	Pin plunger	153 gf	Solder				
653-SS-01GLP	SS-01GLP	C	Hinge lever	51 gf	Solder				
653-SS-01GLPT	SS-01GLPT	D	Hinge lever	51 gf	QC #110				
653-SS-01GL13P	SS-01GL13P	C	Simulated roller lever	51 gf	Solder				
653-SS-01GL13PT	SS-01GL13PT	D	Simulated roller lever	51 gf	QC #110				
Contact Rating 3A @ 125VAC									
653-SS-3GPT	SS-3GPT	D	Pin plunger	153 gf	QC #110				
653-SS-3GLP	SS-3GLP	C	Hinge lever	51 gf	Solder				
653-SS-3GLPT	SS-3GLPT	D	Hinge lever	51 gf	QC #110				
653-SS-3GL13PD	SS-3GL13PD	E	Simulated roller lever	51 gf	PCB uneven pitch				
653-SS-3GL13PT	SS-3GL13PT	D	Simulated roller lever	51 gf	QC #110				

OMRON SS SERIES: SUBMINIATURE BASIC SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contacts: SS-01 - Bifurcated crossbar; SS-5 and SS-10 - Standard rivets

Features:

- Economical, subminiature basic switch offers long service life (30 million operations min.)
- All models are free from overtravel restrictions and permit easy setting



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-SS-01FT	SS-01FT	F	Pin plunger	50 gf	QC #110				
653-SS-01D	SS-01D	G	Pin plunger	150 gf	PCB straight				
653-SS-01	SS-01	H	Pin plunger	150 gf	Solder				
653-SS-01-GL-F	SS-01-GL-F	H	Hinge lever	16 gf	Solder				
653-SS-01GL	SS-01GL	H	Hinge lever	50 gf	Solder				
653-SS01-GLT	SS01-GLT	F	Hinge lever	50 gf	QC #110				
653-SS-01GL13	SS-01GL13	H	Simulated roller lever	50 gf	Solder				
653-SS-01GL2D	SS-01GL2D	H	Hinge roller lever	50 gf	PCB straight				
653-SS-01GL2	SS-01GL2	H	Hinge roller lever	50 gf	Solder				
Contact Rating 5A @ 125VAC									
653-SS-5FT	SS-5FT	F	Pin plunger	50 gf	QC #110				
653-SS-5D	SS-5D	G	Pin plunger	150 gf	PCB straight				
653-SS-5D2	SS-5D2	I	Pin plunger	150 gf	Right-angled PCB				
653-SS-5	SS-5	H	Pin plunger	150 gf	Solder				
653-SS-5T	SS-5T	F	Pin plunger	150 gf	QC #110				
653-SS-5GL-F	SS-5GL-F	H	Hinge lever	16 gf	Solder				
653-SS-5GLD	SS-5GLD	G	Hinge lever	50 gf	PCB straight				
653-SS-5GL	SS-5GL	H	Hinge lever	50 gf	Solder				
653-SS-5GLT	SS-5GLT	F	Hinge lever	50 gf	QC #110				
653-SS-5GL13D	SS-5GL13D	G	Simulated roller lever	50 gf	PCB straight				
653-SS-5GL13	SS-5GL13	H	Simulated roller lever	50 gf	Solder				
653-SS-5GL13T	SS-5GL13T	F	Simulated roller lever	50 gf	QC #110				
653-SS-5GL2-FT	SS-5GL2-FT	F	Hinge roller lever	16 gf	QC #110				
653-SS-5GL2D	SS-5GL2D	G	Hinge roller lever	50 gf	PCB straight				
653-SS-5GL2	SS-5GL2	H	Hinge roller lever	50 gf	Solder				
653-SS-5GL2T	SS-5GL2T	F	Hinge roller lever	50 gf	QC #110				
Contact Rating 10.1A @ 125VAC									
653-SS-10D	SS-10D	G	Pin plunger	150 gf	PCB straight				
653-SS-10	SS-10	H	Pin plunger	150 gf	Solder				
653-SS-10T	SS-10T	F	Pin plunger	150 gf	QC #110				
653-SS-10GL	SS-10GL	H	Hinge lever	50 gf	Solder				
653-SS-10GLT	SS-10GLT	F	Hinge lever	50 gf	QC #110				
653-SS-10GL13T	SS-10GL13T	F	Simulated roller lever	50 gf	QC #110				
653-SS-10GL2	SS-10GL2	H	Hinge roller lever	50 gf	Solder				
653-SS-10GL2T	SS-10GL2T	F	Hinge roller lever	50 gf	QC #110				

DIMENSIONS: mm

A Pin Plunger, Leaf Lever, Hinge Leaf Lever, D2MQ shown with pin plunger, Straight Terminals

B Pin Plunger, Hinge Leaf Lever, SS-P with pin plunger and solder terminals shown

C Solder Terminals

D Quick-Connect Terminals (#110)

E PCB Terminals (Uneven Pitch)

F Quick-Connect Terminals (#110)

G PCB Terminals

H Solder Terminals

I PCB, Right-Angled Terminal

OMRON Sealed Basic Switches

OMRON

RoHS Compliant This page of product is compliant.

OMRON D2SW-P SERIES: SEALED SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2SW-P01 - Gold alloy
D2SW-P2 - Silver alloy
- Contact rating: D2SW-P01 - Crossbar
D2SW-P2 - Rivet
- Contact gap: 0.5mm

Features:

- Mounting compatible with SS and D2SW series
- Sealing by using rubber packing means the switch can be used in dustproof or in temporary waterproof environments
- Degree of protection: IEC IP67 (circuit block only)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-D2SW-P01L3B	D2SW-P01L3B	A	Simulated roller lever	61gf	PCB even pitch				
653-D2SW-P01L3T	D2SW-P01L3T	A	Simulated roller lever	61gf	QC #110				
Contact Rating 2A @ 250VAC									
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated roller lever	61gf	Solder				
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge roller lever	61gf	Solder				
653-D2SW-P2L2T	D2SW-P2L2T	A	Hinge roller lever	61gf	QC #110				

OMRON D2SW SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2SW-01 - Gold alloy
D2SW-3 - Silver alloy
- Contact rating: D2SW-01 - Crossbar
D2SW-3 - Rivet
- Contact gap: 0.5mm
- Molded lead wire length: 30cm

Features:

- Use of epoxy resin assures stable sealing, making this switch ideal for places subject to water spray or excessive dust
- Degree of protection: IEC IP67



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-D2SW-01HS	D2SW-01HS	B	Pin plunger	180gf	Solder				
653-D2SW-01L1MS	D2SW-01L1MS	B	Hinge lever	60gf	Molded lead wires				
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated roller lever	60gf	QC #110				
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated roller lever	60gf	Molded lead wires				
653-D2SW-01L2HS	D2SW-01L2HS	B	Hinge roller lever	60gf	Solder				
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge roller lever	60gf	QC #110				
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge roller lever	60gf	Molded lead wires				
Contact Rating 3A @ 125VAC									
653-D2SW-3HS	D2SW-3HS	B	Pin plunger	180gf	Solder				
* 653-D2SW-3H	D2SW-3H	B	Pin plunger	180gf	Solder				
653-D2SW-3TS	D2SW-3TS	B	Pin plunger	180gf	QC #110				
* 653-D2SW-3M	D2SW-3M	B	Pin plunger	180gf	Molded lead wires				
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge lever	60gf	Solder				
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge lever	60gf	Molded lead wires				
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated roller lever	60gf	Molded lead wires				
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge roller lever	60gf	Solder				
* 653-D2SW-3L2H	D2SW-3L2H	B	Hinge roller lever	60gf	Solder				
653-D2SW-3L2TS	D2SW-3L2TS	B	Hinge roller lever	60gf	QC #110				
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge roller lever	60gf	Molded lead wires				
* 653-D2SW-3L2M	D2SW-3L2M	B	Hinge roller lever	60gf	Molded lead wires				

OMRON D2FW-G SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact material: D2FW-G0 - Gold alloy
D2FW-G2 - Silver alloy
- Contact rating: Crossbar
- Contact gap: 0.25mm
- Molded lead wire length: 30cm

Features:

- Single-point mounting with an M4 screw
- Molded lead wires are installed using lead-free connections for environmental conservation
- Incorporates a fixed leaf lever for tough environments
- Degree of protection: IEC IP67

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator Type	Operating Force (max.)	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-D2FW-G071M	D2FW-G071M	C	SPDT	Leaf lever	250gf				
653-D2FW-G072M	D2FW-G072M	C	SPST-NC	Leaf lever	250gf				
653-D2FW-G082M	D2FW-G082M	C	SPST-NC	Long leaf lever	300gf				
653-D2FW-G073M	D2FW-G073M	C	SPST-NO	Leaf lever	250gf				
653-D2FW-G083M	D2FW-G083M	C	SPST-NO	Long leaf lever	300gf				
Contact Rating 1A @ 30VDC									
653-D2FW-G271M	D2FW-G271M	C	SPDT	Leaf lever	250gf				
653-D2FW-G273M	D2FW-G273M	C	SPST-NO	Leaf lever	250gf				
653-D2FW-G283M	D2FW-G283M	C	SPST-NO	Long leaf lever	300gf				

OMRON D2JW SERIES: IMMERSION-PROOF SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact rating: 0.1A @ 30VDC
- Contact form: SPDT
- Contact gap: 0.5mm

Features:

- Ultra-small and highly sealed
- Gold-alloy crossbar contact and coil spring offer long life expectancy and high contact reliability
- Degree of protection: IEC IP67 (excluding the terminals on terminal models)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2JW-011	D2JW-011	D	Pin plunger	250gf	Solder				
653-D2JW-011-MD	D2JW-011-MD	D	Pin plunger	250gf	Molded lead wires				
653-D2JW-01K1A1	D2JW-01K1A1	D	Short hinge lever	117gf	Solder				
653-D2JW-01K1A1-MD	D2JW-01K1A1-MD	D	Short hinge lever	117gf	Molded lead wires				
653-D2JW-01K11	D2JW-01K11	D	Hinge lever	82gf	Solder				
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge lever	82gf	Molded lead wires				
653-D2JW-01K31	D2JW-01K31	D	Simulated roller lever	97gf	Solder				
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated roller lever	97gf	Molded lead wires				
653-D2JW-01K21	D2JW-01K21	D	Hinge roller lever	100gf	Solder				
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge roller lever	100gf	Molded lead wires				

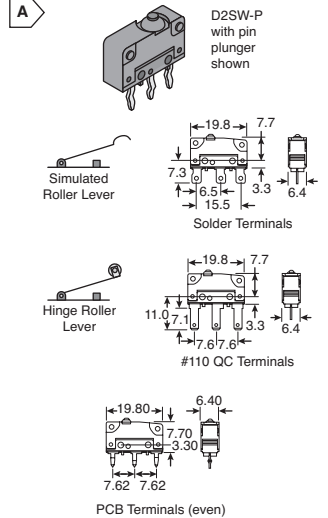
© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

EUsales@mouser.com

1669

DIMENSIONS: mm



Omron Basic/Snap Switches

© Copyright 2014 Mouser Electronics

OMRON Sealed Basic Switches



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm									
A		B		C		D		D2VW shown with pin plunger and solder terminals	

OMRON D2FD SERIES: DUST-PROOF, ULTRA-SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2FD-2 Silver alloy, D2FD-2 Gold alloy
- Contact gap: 0.25mm

Features:

- Sealing by using rubber packing means the switch can be used in dust-proof environments (IEC IP6X).
- Switch rating of 2A @ 125VAC possible with a single-leaf movable spring.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (Max.)	Terminals	Price Each			
						1	25	50	100
Rating 0.1A @ 125VAC/30VDC									
653-D2FD-01L0-1T	D2FD-01L0-1T	A	Pin plunger	204 gf	PCB				
653-D2FD-01L0-1H	D2FD-01L0-1H	A	Pin plunger	204 gf	Solder				
653-D2FD-01L1-1T	D2FD-01L1-1T	A	Hinge lever	66 gf	PCB				
653-D2FD-01L1-1H	D2FD-01L1-1H	A	Hinge lever	66 gf	Solder				
653-D2FD-01L30-1T	D2FD-01L30-1T	A	Simulated roller lever	66 gf	PCB				
653-D2FD-01L30-1H	D2FD-01L30-1H	A	Simulated roller lever	66 gf	Solder				
Rating 2A @ 125VAC/30VDC									
653-D2FD-2L0-1T	D2FD-2L0-1T	A	Pin plunger	204 gf	PCB				
653-D2FD-2L0-1H	D2FD-2L0-1H	A	Pin plunger	204 gf	Solder				
653-D2FD-2L1-1T	D2FD-2L1-1T	A	Hinge lever	66 gf	PCB				
653-D2FD-2L1-1H	D2FD-2L1-1H	A	Hinge lever	66 gf	Solder				
653-D2FD-2L30-1T	D2FD-2L30-1T	A	Simulated roller lever	66 gf	PCB				
653-D2FD-2L30-1H	D2FD-2L30-1H	A	Simulated roller lever	66 gf	Solder				

OMRON D2HW SERIES: SEALED, SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact rating: 0.1mA @ 125VAC / 2A @ 12VDC
- Contact material: Gold alloy
- Contact gap: 0.5mm
- Molded lead wire length: 30cm

Features:

- Smallest sealed snap action switch in the industry with long stroke for reliable ON/OFF action
- Case dimensions 22% smaller than conventional models
- Extra-long stroke even without levers (OT: 1.4mm)

* UL/CSA Approved

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator Type	Operating Force (Max.)	Terminals	Mounting Structure	Price Each			
								1	25	50	100
653-D2HW-A201D	D2HW-A201D	B	SPDT	Pin plunger	76 gf	PCB straight	Without post				
653-D2HW-BL201DL	D2HW-BL201DL	B	SPDT	Pin plunger	76 gf	PCB angled	Posts on left				
653-D2HW-C201H	D2HW-C201H	B	SPDT	Pin plunger	76 gf	Solder	M-3 Screw mount				
653-D2HW-C201M	D2HW-C201M	B	SPDT	Pin plunger	76 gf	Lead wire: Downwards	M-3 Screw mount				
653-D2HW-C211M	D2HW-C211M	B	SPDT	Hinge lever	76 gf	Lead wire: Downwards	M-3 Screw mount				
653-D2HW-A221D	D2HW-A221D	B	SPDT	Long hinge lever	50 gf	PCB straight	Without post				
653-D2HW-BL221DL	D2HW-BL221DL	B	SPDT	Long hinge lever	50 gf	PCB angled	Posts on left				
653-D2HW-A231D	D2HW-A231D	B	SPDT	Simulated roller hinge lever	66 gf	PCB straight	Without post				
653-D2HW-BR231DR	D2HW-BR231DR	B	SPDT	Simulated roller hinge lever	66 gf	PCB angled	Posts on right				
653-D2HW-C212MR	D2HW-C212MR	B	SPST-NC	Hinge lever	76 gf	Lead wire: Right-side	M-3 Screw mount				
653-D2HW-BL212ML	D2HW-BL212ML	B	SPST-NC	Hinge lever	76 gf	Lead wire: Left-side	Posts on left				
653-D2HW-BL203MR	D2HW-BL203MR	B	SPST-NO	Pin plunger	76 gf	Lead wire: Right-side	Posts on left				
653-D2HW-C203MR	D2HW-C203MR	B	SPST-NO	Pin plunger	76 gf	Lead wire: Right-side	M-3 Screw mount				
* 653-D2HW-C203MRS	D2HW-C203MRS	B	SPST-NO	Pin plunger	76 gf	Lead wire: Right-side	M-3 Screw mount				
653-D2HW-C213MR	D2HW-C213MR	B	SPST-NO	Hinge lever	76 gf	Lead wire: Right-side	M-3 Screw mount				

OMRON D2QW SERIES: SEALED, ULTRA-SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact rating: 1mA @ 5VDC / 0.1A @ 30VDC
- Contact material: Gold plated
- Insulation resistance: 100MQ min. @ 500VDC
- Use M3 screws to mount the switch

Features:

- Clip contacts with highly reliable slide contact mechanism
- Sliding contact allows for quiet operating sound
- High temperature resistance and drip-proof structure for wide range of applications and environmental conditions
- Extra long stroke (OT 2.7mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator Type	Operating Force (Max.)	Terminals	Price Each			
							1	25	50	100
653-D2QW-C003H	D2QW-C003H	C	SPST-NO	Pin plunger	153 gf	Solder				
653-D2QW-C073H	D2QW-C073H	C	SPST-NO	Simulated roller leaf lever	153 gf	Solder				

OMRON D2VW SERIES: MINIATURE, WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2VW-01 Gold alloy, D2VW-5 Silver alloy
- Mechanical life: 10,000,000 operations min.
- Molded lead wire length: 30cm

Features:

- High-quality watertight, high-precision miniature snap action switches meet IP67 (IEC 529) requirements (for lead wire types) and IP50 (for terminal types)
- Monoblock construction assures high sealing capability and is ideal for dusty environments or where water is sprayed



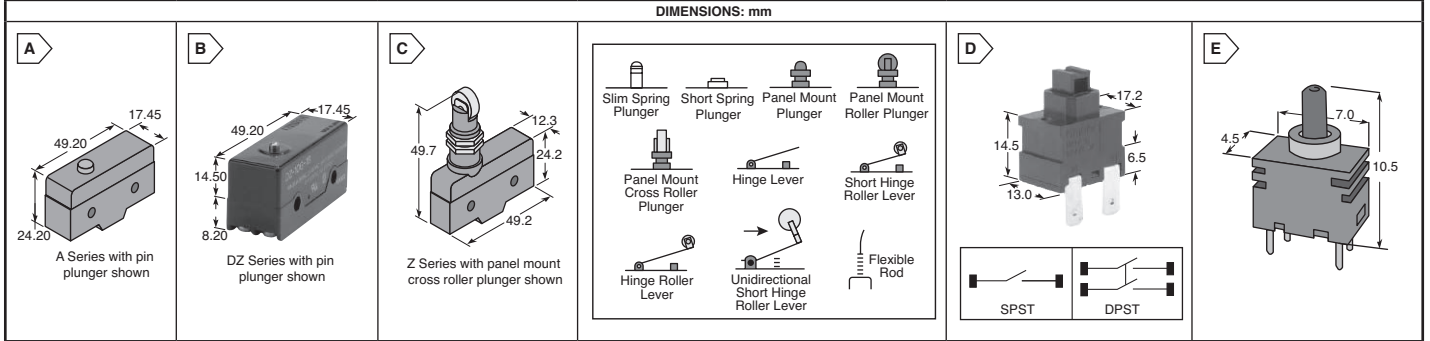
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (Max.)	Terminals	Price Each			
						1	25	50	100
Rating 0.1A @ 30VDC									
653-D2VW-01-1HS	D2VW-01-1HS	D	Pin plunger	200 gf	Solder and QC #187				
653-D2VW-01L2-1HS	D2VW-01L2-1HS	D	Hinge roller lever	120 gf	Solder and QC #187				
653-D2VW-01L2-1MS	D2VW-01L2-1MS	D	Hinge roller lever	120 gf	Molded lead wires				
Rating 5A @ 250VAC									
653-D2VW-5-1HS	D2VW-5-1HS	D	Pin plunger	200 gf	Solder and QC #187				
653-D2VW-5-1MS	D2VW-5-1MS	D	Pin plunger	200 gf	Molded lead wires				
653-D2VW-5L1-1MS	D2VW-5L1-1MS	D	Hinge lever	120 gf	Molded lead wires				
653-D2VW-5L3-1HS	D2VW-5L3-1HS	D	Simulated roller lever	120 gf	Solder and QC #187				
653-D2VW-5L3-1MS	D2VW-5L3-1MS	D	Simulated roller lever	120 gf	Molded lead wires				
653-D2VW-5L2A-1HS	D2VW-5L2A-1HS	D	Short hinge roller lever	230 gf	Solder and QC #187				
653-D2VW-5L2A-1MS	D2VW-5L2A-1MS	D	Short hinge roller lever	230 gf	Molded lead wires				
653-D2VW-5L2-1HS	D2VW-5L2-1HS	D	Hinge roller lever	120 gf	Solder and QC #187				
653-D2VW-5L2-1MS	D2VW-5L2-1MS	D	Hinge roller lever	120 gf	Molded lead wires				

OMRON Basic, Pushbutton and Power Switches **OMRON**

RoHS Compliant **This product is RoHS compliant.**

DIMENSIONS: mm



OMRON A SERIES: HIGH-CAPACITY SNAP ACTION SWITCHES

Specifications:

- Contact rating: 20A @ 125/250VAC
- Contact form: SPDT
- Contact material: Silver alloy
- Terminals: Screw
- Contact gap: 0.5mm

Features:

- High-capacity switch capable of handling 20A loads with inrush currents up to 75A
- Directly switches such loads as motors, halogen lamps, and solenoids
- Same shape as OMRON Z series (except pin plunger)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (gf)	Mounting Screw	Mounting Hole Size (mm)	Price Each			
							1	25	50	100
653-A20GD-B7-K	A-20GD-B7-K	A	Short spring plunger	400 - 625 gf	#6-32NC	3.56				
653-A20GQ-B7	A-20GQ-B7-K	A	Panel mount plunger	400 - 625 gf	#6-32NC	3.56				
653-A-20GQ22-B7-K	A-20GQ22-B7-K	A	Panel mount roller plunger	630 gf max.	#6-32NC	3.56				
653-A-20GV-B	A-20GV-B	A	Hinge lever	70 gf	M4	4.20				
653-A20GV-B7	A-20GV-B7-K	A	Hinge lever	70 gf	#6-32NC	3.56				
653-A-20GV22-B	A-20GV22-B	A	Short hinge roller lever	160 gf	M4	4.20				
653-A20GV22-B7	A-20GV22-B7-K	A	Short hinge roller lever	160 gf	#6-32NC	3.56				
653-A20GV2-B	A-20GV2-B7-K	A	Hinge roller lever	90 gf	#6-32NC	3.56				

OMRON DZ SERIES: SPECIAL PURPOSE BASIC SWITCHES

Specifications:

- Contact rating: 10A @ 250VAC
- Contact form: DPDT
- Contact material: Silver alloy
- Terminals: Screw
- Contact gap: 0.5mm

Features:

- Basic switch for two independent circuit controls
- Ideal for switching the circuits operating on two different voltages and for controlling two independent circuits
- Interchangeable with OMRON Z switches, as both are identical in mounting hole dimensions and pitch



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Over Travel (mm min.)	Price Each			
						1	10	20	50
653-DZ-10GW-1B	DZ-10GW-1B	B	Hinge lever	170 gf	1.60				
653-DZ-10GV-1B	DZ-10GV-1B	B	Hinge lever	200 gf	0.40				
653-DZ-10GV22-1B	DZ-10GV22-1B	B	Short hinge roller lever	430 gf	0.13				
653-DZ-10GW2-1B	DZ-10GW2-1B	B	Hinge roller lever	213 gf	1.20				
653-DZ-10GW22-1B6	DZ-10GW22-1B6	B	Hinge roller lever	400 gf	0.90				

OMRON Z SERIES: GENERAL PURPOSE AND DRIP-PROOF BASIC SWITCHES

Specifications:

- Contact rating: 15A @ 125/250VAC
- Contact form: SPDT
- Contact material: Silver
- Terminals: Screw

Features:

- High precision in a variety of styles
- A large switching capacity of 15A with high repeat accuracy
- Wide margins of operating conditions



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Contact Gap (mm)	Mounting Screw	Mounting Hole Size (mm)	Price Each			
								1	25	50	100
General Purpose											
653-Z-15GS-B	Z-15GS-B	C	Slim spring plunger	250 - 350 gf	0.50	M4	4.20				
653-Z15GD-B	Z-15GD-B	C	Short spring plunger	250 - 350 gf	0.50	M4	4.20				
653-Z15GD-B7-K	Z-15GD-B7-K	C	Short spring plunger	250 - 350 gf	0.50	#6-32NC	3.56				
653-Z15GQ-B	Z-15GQ-B	C	Panel mount plunger	250 - 350 gf	0.50	M4	4.20				
653-Z15GQ-B7-K	Z-15GQ-B7-K	C	Panel mount plunger	250 - 350 gf	0.50	#6-32NC	3.56				
653-Z15GQ22-B	Z-15GQ22-B	C	Panel mount roller plunger	250 - 350 gf	0.50	M4	4.20				
653-Z15GQ22-B7-K	Z-15GQ22-B7-K	C	Panel mount roller plunger	250 - 350 gf	0.50	#6-32NC	3.56				
653-Z15GQ21-B	Z-15GQ21-B	C	Panel mount cross roller plunger	250 - 350 gf	0.50	M4	4.20				
653-Z15GQ21-B7-K	Z-15GQ21-B7-K	C	Panel mount cross roller plunger	250 - 350 gf	0.50	#6-32NC	3.56				
653-Z15GW-B	Z-15GW-B	C	Hinge lever	70 gf	0.50	M4	4.20				
653-Z-15GW-B7-K	Z-15GW-B7-K	C	Hinge lever	70 gf	0.50	#6-32NC	3.56				
653-Z15GW22-B	Z-15GW22-B	C	Short hinge roller lever	160 gf	0.50	M4	4.20				
653-Z-15GW22-B7-K	Z-15GW22-B7-K	C	Short hinge roller lever	160 gf	0.50	#6-32NC	3.56				
653-Z15GW2-B	Z-15GW2-B	C	Hinge roller lever	100 gf	0.50	M4	4.20				
653-Z-15GW2-B7-K	Z-15GW2-B7-K	C	Hinge roller lever	100 gf	0.50	#6-32NC	3.56				
653-Z-15GW2277-B7-K	Z-15GW2277-B7-K	C	Unidirectional short hinge roller lever	170 gf	0.50	#6-32NC	3.56				
Drip Proof											
653-Z15GQ55B	Z-15GQ55-B	C	Panel mount plunger	540 gf	0.50	M4	4.20				
653-Z-15GW2255-B	Z-15GW2255-B	C	Short hinge roller lever	200 gf	0.50	M4	4.20				
653-Z-15GNJ55-B7-K	Z-15GNJ55-B7-K	C	Flexible rod coil spring	50 gf	0.50	#6-32NC	3.56				

OMRON C4V SERIES: MINIATURE POWER SWITCHES

Specifications:

- Switching capacity: 8A, 125/250VAC
- Operating force: 7N max.

Features:

- Unique snap action mechanism allows large-capacity switching
- Sharp feeling with firm switching action
- Contact gap of 3mm minimum



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Operating Mechanism	Price Each		
					1	25	50
653-C4V-811A-D	C4V-811A-D	D	SPST	Momentary			
653-C4V-811M-D	C4V-811M-D	D	SPST	Alternate			
653-C4V-821M	C4V-821M	D	DPST	Momentary			
653-C4V-821A	C4V-821A	D	DPST	Alternate			

OMRON A9PS SERIES: ULTRA-SUBMINIATURE PUSHBUTTON SWITCHES

Specifications:

- Switching capacity: 100mA @ 28VAC/DC
- Contact resistance: 80mΩ max.
- Operating force: 4.9N max.

Features:

- Gold-plated clip contact ensures high reliability
- The sealed bottom prevents flux penetration
- Washable, equivalent to IP64 (IEC-60529)

Applications:

- Security control boards
- Electric power instrumentation
- Program controllers



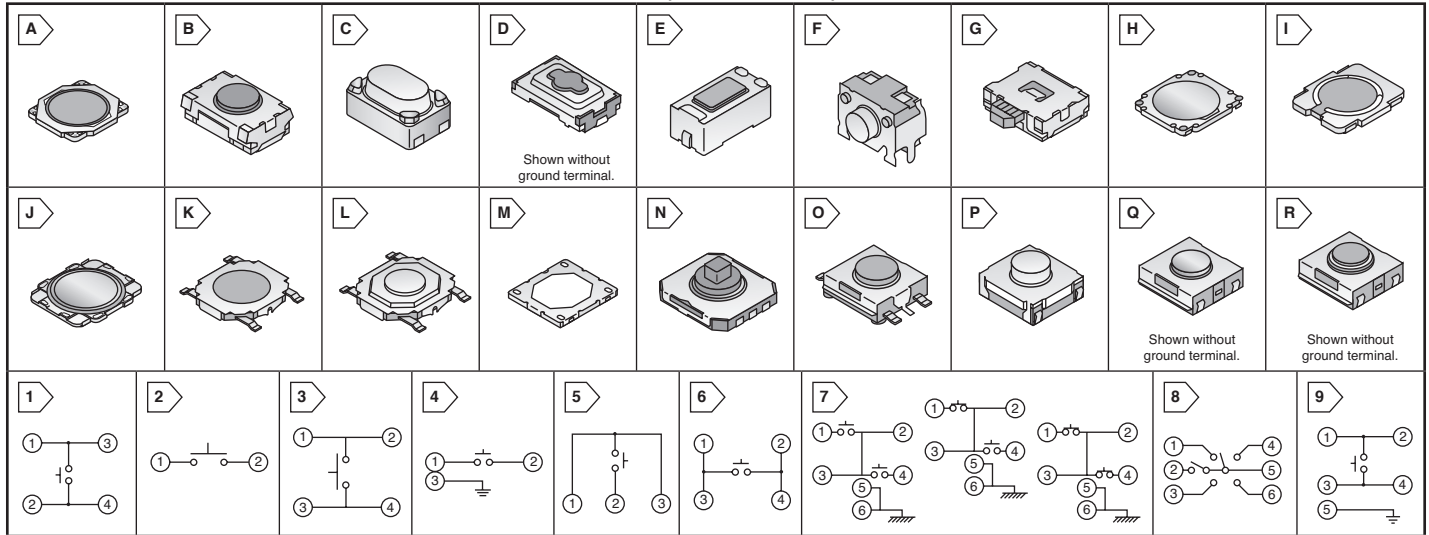
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Terminal Shape	Operating Mechanism	Price Each			
						1	25	50	100
653-A9PS16-0011	A9PS16-0011	E	SPST	DIP	Momentary				
653-A9PS16-0012	A9PS16-0012	E	SPST	Right-angled	Momentary				
653-A9PS16-0013	A9PS16-0013	E	SPST	Vertical mount	Momentary				
653-A9PS26-0011	A9PS26-0011	E	DPST	DIP	Momentary				
653-A9PS26-0012	A9PS26-0012	E	DPST	Right-angled	Momentary				
653-A9PS26-0013	A9PS26-0013	E	DPST	Vertical mount	Momentary				

ALPS Tactile Switches

ALPS

RoHS Compliant This product is RoHS compliant.



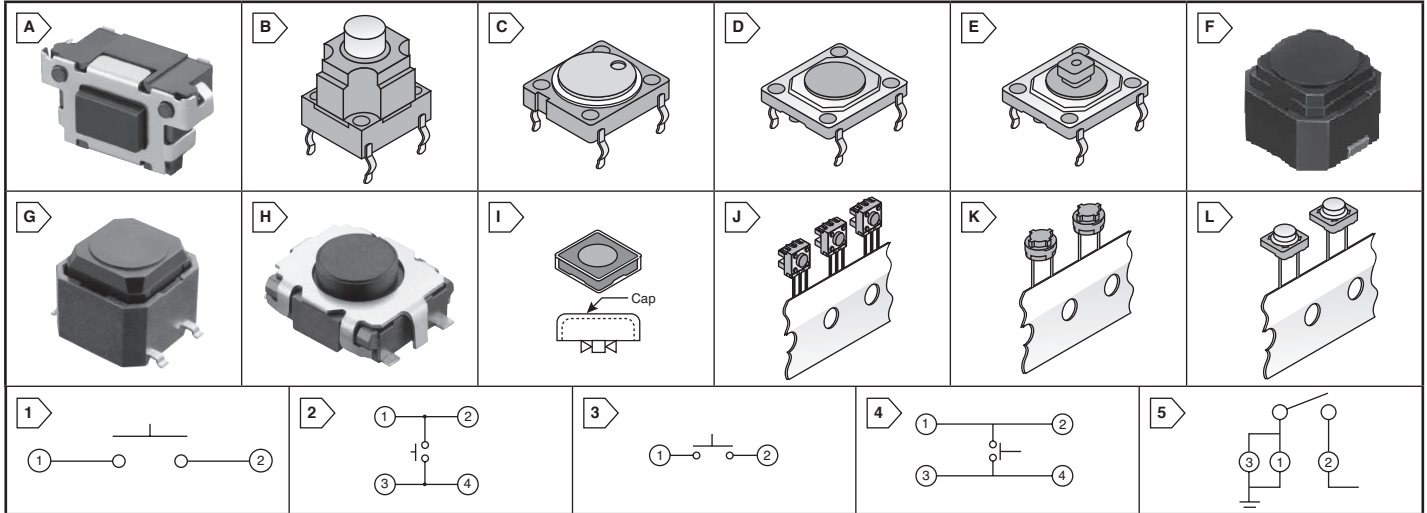
ALPS LOW PROFILE SMD TACTILE SWITCHES

- Contact rating: 50mA @ 12VDC max.
- Tape and reel packaging
- Reflow solderable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each				Reel Quantity	Reel Qty. Price Each
			L	W	H					1	50	100	500		
688-SKRWAE030	SKRWAE030	A1	3.7	3.7	0.35	160 g	0.15	500,000	Compact, low profile					10,000	
688-SKRKAE	SKRKAE	B2	3.9	2.9	2	160 g	0.13	200,000	Compact, low profile					4,500	
688-SKRPAB	SKRPAB	C3	4.2	3.2	2.5	160 g	0.20	100,000	Strong operating force					4,000	
688-SKRPAK	SKRPAK	C3	4.2	3.2	2.5	260 g	0.20	50,000	Strong operating force					4,000	
688-SKRPAD	SKRPAD	C3	4.2	3.2	2.5	408 g	0.20	100,000	Strong operating force					4,000	
688-SKQYAA	SKQYAA	D4	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face, quicker mounting					3,000	
688-SKQYAB	SKQYAB	D4	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face, quicker mounting					3,000	
688-SKQYAF	SKQYAF	D4	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face, quicker mounting					3,000	
688-SKQYPA	SKQYPA	D4	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face w/ ground terminal					3,000	
688-SKQYPB	SKQYPB	D4	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face w/ ground terminal					3,000	
688-SKQYPD	SKQYPD	D4	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face w/ ground terminal					3,000	
688-SKQMBA	SKQMBA	E2	6.0	3.5	4.3	100 g	0.25	50,000	Compact for high density mounting					2,000	
688-SKQMAS	SKQMAS	E2	6.0	3.5	4.3	160 g	0.25	50,000	Compact for high density mounting					2,000	
688-SKQMAQ	SKQMAQ	E2	6.0	3.5	4.3	260 g	0.25	30,000	Compact for high density mounting					2,000	
688-SKQMAT	SKQMAT	E2	6.0	3.5	5.0	100 g	0.25	50,000	Compact for high density mounting					2,000	
688-SKQMBB	SKQMBB	E2	6.0	3.5	5.0	160 g	0.25	50,000	Compact for high density mounting					2,000	
688-SKQMAR	SKQMAR	E2	6.0	3.5	5.0	260 g	0.25	30,000	Compact for high density mounting					2,000	
688-SKRTLA	SKRTLA	F5	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, with guide bosses					3,000	
688-SKRTL B	SKRTL B	F5	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, without guide bosses					3,000	
688-SKRELJ	SKRELJ	G2	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, with guide bosses					5,000	
688-SKRELG	SKRELG	G2	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, with guide bosses					5,000	
688-SKRELH	SKRELH	G2	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, without guide bosses					5,000	
688-SKRELF	SKRELF	G2	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, without guide bosses					5,000	
688-SKRMAA	SKRMAA	H3	4.5	4.5	0.4	160 g	0.15	500,000	Dust preventative structure					10,000	
688-SKRMA B	SKRMA B	H3	4.5	4.5	0.4	260 g	0.20	100,000	Dust preventative structure					10,000	
688-SKQRAA	SKQRAA	I6	4.8	4.8	0.5	160 g	0.20	500,000	Lightweight					10,000	
688-SKQRAC	SKQRAC	I6	4.8	4.8	0.5	240 g	0.20	50,000	Lightweight					10,000	
688-SKRBA A	SKRBA A	J1	4.8	4.8	0.55	160 g	0.20	500,000	Dust preventative structure					10,000	
688-SKRBA C	SKRBA C	J1	4.8	4.8	0.55	260 g	0.20	50,000	Dust preventative structure					10,000	
688-SKQGAE	SKQGAE	K3	5.2	5.2	0.8	100 g	0.25	500,000	Low-profile					5,000	
688-SKQGAA	SKQGAA	K3	5.2	5.2	0.8	160 g	0.25	500,000	Low-profile					5,000	
688-SKQGAC	SKQGAC	K3	5.2	5.2	0.8	260 g	0.25	50,000	Low-profile					5,000	
688-SKQGAF	SKQGAF	L3	5.2	5.2	1.5	100 g	0.25	500,000	Low-profile					4,000	
688-SKQGA B	SKQGA B	L3	5.2	5.2	1.5	160 g	0.25	500,000	Low-profile					4,000	
688-SKQGA D	SKQGA D	L3	5.2	5.2	1.5	260 g	0.25	100,000	Low-profile					4,000	
688-SKRNPA	SKRNPA	M7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/o guide bosses					5,000	
688-SKRNP B	SKRNP B	M7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/ guide bosses					5,000	
688-SKRHAB	SKRHAB	N8	7.0	7.35	5.0	125g/240g	.25/.15	200,000	4 directional w/ center push					1,300	
688-SKRRA A	SKRRA A	A1	7.5	7.0	0.6	100 g	0.25	3,000,000	Long life					7,000	
688-SKRRA B	SKRRA B	A1	7.5	7.0	0.6	160 g	0.25	3,000,000	Long life					7,000	
688-SKHMQKE010	SKHMQKE010	O9	6.2	6.5	3.1	100 g	0.25	500,000	Good for high density mounting					3,000	
688-SKHMQL E010	SKHMQL E010	O9	6.2	6.5	3.1	160 g	0.25	300,000	Good for high density mounting					3,000	
688-SKRAAK	SKRAAK	P3	6.2	6.2	3.4	250 g	0.30	100,000	Rubber stem, superb pre-stroke					3,000	
688-SKRAAME010	SKRAAME010	P3	6.2	6.2	5.1	200 g	0.50	100,000	Rubber stem, superb pre-stroke					1,400	
688-SKHUALE010	SKHUALE010	Q3	6.2	6.5	2.5	160 g	0.25	300,000	Without ground terminal					3,000	
688-SKHUAME010	SKHUAME010	Q3	6.2	6.5	2.5	260 g	0.25	100,000	Without ground terminal					3,000	
688-SKHUPKE010	SKHUPKE010	Q9	6.2	6.5	2.5	100 g	0.25	300,000	With ground terminal					3,000	
688-SKHUPLE010	SKHUPLE010	Q9	6.2	6.5	2.5	160 g	0.25	300,000	With ground terminal					3,000	
688-SKHUPME010	SKHUPME010	Q9	6.2	6.5	2.5	260 g	0.25	100,000	With ground terminal					3,000	
688-SKHUBHE010	SKHUBHE010	R3	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof					3,000	
688-SKHUQHE010	SKHUQHE010	R9	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof w/ ground terminal					3,000	

RoHS Compliant This product is RoHS compliant.



ALPS MID-MOUNT SIDE PUSH™ TACT SWITCH™

Applications:

- Portable audio players and mobile phones
- Healthcare products (blood glucose meters, etc.)
- Remote keyless entry (RKE) systems
- Side switches for ever smaller, lighter digital equipment



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each				
			L	W	H					1	50	100	500	1000
688-SKSNLAE010	SKSNLAE010	A1	6.2	3.5	1.35	2.4N	0.2	500,000	Dust proof, High impact resistance, Excellent operating feel					

ALPS SNAP-IN SHARP FEELING TYPE TACTILE SWITCHES

• Contact rating: 50mA @ 12VDC max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each			
			L	W	H					1	50	500	1000
688-SKQBAP	SKQBAP	B2	10.0	10.0	13.0	160g	0.3	100,000	Waterproof, Dust proof, Dark gray stem				
688-SKQBAJ	SKQBAJ	B2	10.0	10.0	13.0	260g	0.3	100,000	Waterproof, Dust proof, Red stem				
688-SKHCBFA010	SKHCBFA010	C2	12.0	12.0	4.3	130g	0.3	1,000,000	Flat stem, Black				
688-SKQEAB	SKQEAB	D2	12.0	12.0	4.3	160g	0.3	10,000,000	Dust proof, Dark gray flat stem				
688-SKQEAD	SKQEAD	D2	12.0	12.0	4.3	260g	0.3	10,000,000	Dust proof, Red flat stem				
688-SKQEAA	SKQEAA	E2	12.0	12.0	7.6	160g	0.3	10,000,000	Dust proof, Dark gray joint stem				
688-SKQEAC	SKQEAC	E2	12.0	12.0	7.6	260g	0.3	10,000,000	Dust proof, Red joint stem				

ALPS SURFACE MOUNT LOW RESISTANCE TYPE TACTILE SWITCHES

• Contact rating: 50mA @ 16V



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each			
			L	W	H					1	50	500	1000
688-SKPMBHE010	SKPMBHE010	F3	6	5.9	5	160g	1.3	100,000	Soft feeling, Metal contact				
688-SKPRAAE010	SKPRAAE010	G4	7.5	7.8	6.5	500g	1	100,000	Soft feeling, Low-operating noise				

ALPS HIGH OPERATING FORCE AND LONG LIFE TYPE TACT SWITCHES

• Contact rating: 50mA @ 16V



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each			
			L	W	H					1	50	500	1000
688-SKSGACE010	SKSGACE010	H	3	2.7	1.4	400g	0.12	200,000	Compact high operating force type, for automotive selections				
688-SKSGPAE010	SKSGPAE010	H	3	2.7	1.4	400g	0.12	200,000	Compact high operating force type, for automotive selections				

ALPS CAPS AND KEYPADS

• Contact rating: 50mA @ 12VDC max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Features	Price Each			
			L	W	H		1	50	100	500
688-SK2AA00010	SK2AA00010	I	10.0	10.0	3.0	Red keytop for joint stem type SKHC, SKQE				
688-SK2AA00020	SK2AA00020	I	10.0	10.0	3.0	Blue keytop for joint stem type SKHC, SKQE				
688-SK2AA00030	SK2AA00030	I	10.0	10.0	3.0	Ivory keytop for joint stem type SKHC, SKQE				
688-SK2AA00040	SK2AA00040	I	10.0	10.0	3.0	Black keytop for joint stem type SKHC, SKQE				

ALPS SNAP-IN RADIAL TYPE TACTILE SWITCHES ON TAPE AND REEL

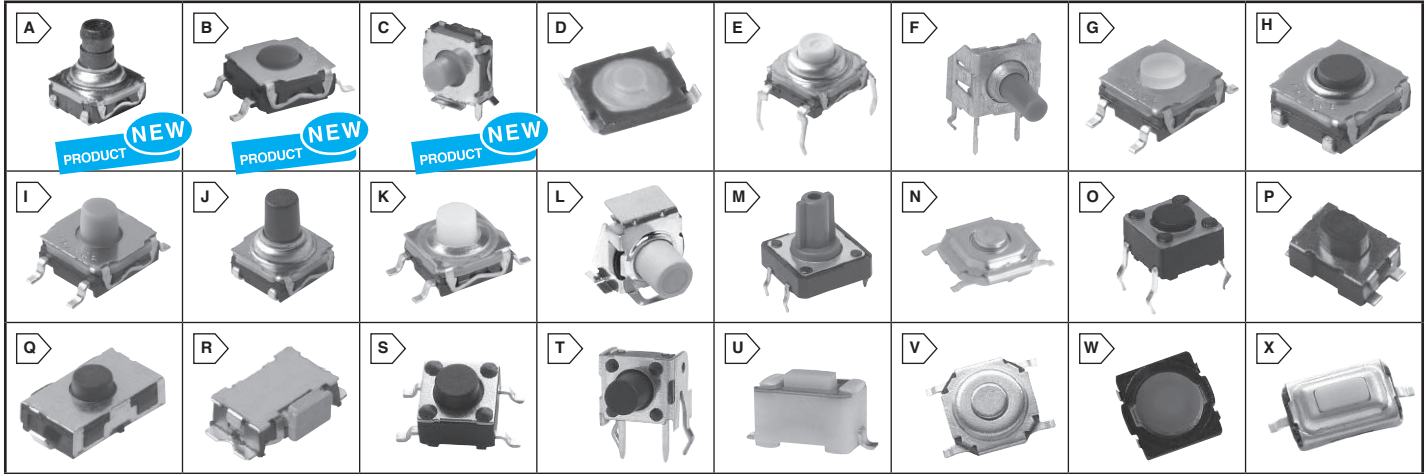
• Contact rating: 50mA @ 12VDC max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dim.: mm			Operating Force	Travel (mm)	Operating Life	Features	Price Each				Reel Qty.	Reel Qty. Price Each
			L	W	H					1	50	100	500		
688-SKQNAA	SKQNAA	J5	ø6	---	4.3	100g	0.25	500,000	Sharp feeling, Black stem					2,000	
688-SKQNAAC	SKQNAAC	J5	ø6	---	4.3	260g	0.25	200,000	Sharp feeling, Gray stem					2,000	
688-SKQNAE	SKQNAE	J5	ø6	---	5	160g	0.25	500,000	Sharp feeling, White stem					2,000	
688-SKQNAF	SKQNAF	J5	ø6	---	5	260g	0.25	200,000	Sharp feeling, Gray stem					2,000	
688-SKRGALD010	SKRGALD010	J5	ø6	---	7	100g	0.25	500,000	Sharp feeling, Black stem					2,000	
688-SKRGAAD010	SKRGAAD010	J5	6.2	6.2	3.6	130g	1	500,000	Sharp feeling, Black stem					2,000	
688-SKRGABD010	SKRGABD010	J5	6.2	6.2	3.6	160g	0.25	500,000	Sharp feeling, White stem					2,000	
688-SKQNAJ	SKQNAJ	J5	ø6	---	7	160g	0.25	500,000	Sharp feeling, White stem					2,000	
688-SKQNAK	SKQNAK	J5	ø6	---	7	260g	0.25	200,000	Sharp feeling, Gray stem					2,000	
688-SKQNAL	SKQNAL	J5	ø6	---	9.5	100g	0.25	500,000	Sharp feeling, Black stem					2,000	
688-SKQNAM	SKQNAM	J5	ø6	---	9.5	160g	0.25	500,000	Sharp feeling, White stem					2,000	
688-SKQNaN	SKQNaN	J5	ø6	---	9.5	260g	0.25	200,000	Sharp feeling, Gray stem					2,000	
688-SKPLAK	SKPLAK	K3	ø6.45	---	5	200g	1.3	100,000	Soft feeling, Green stem					2,700	
688-SKPLAF	SKPLAF	K3	ø6.45	---	5	250g	1.3	100,000	Soft feeling, Yellow stem					2,700	
688-SKPDAL	SKPDAL	L3	7.8	7.8	5	80g	1.0	500,000	Soft feeling, Light gray stem					800	
688-SKPDAM	SKPDAM	L3	7.8	7.8	5	120g	1.0	500,000	Soft feeling, Light blue stem					800	
688-SKPDAC	SKPDAC	L3	7.8	7.8	5.5	250g	1.2	100,000	Soft feeling, Blue stem					800	



KSC9 SERIES SMD SEALED TACT SWITCH FOR ADJUSTABLE SWITCH

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
J-Bend						
611—KSC921JLFS	A	A	170g	7.7		
611—KSC931JLFS	A	A	255g	7.7		
611—KSC941JLFS	A	A	340g	7.7		
Gulfwing						
611—KSC921GLFS	A	A	170g	7.7		
611—KSC931GLFS	A	A	255g	7.7		
611—KSC941GLFS	A	A	340g	7.7		

ACCESSORIES FOR SERIES KSC9

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	25
611—BTNKSC920		Button for KSC9, light gray, 15.4mm		
611—BTNKSC940		Button for KSC9, red, 15.4mm		
611—BTNKSC980		Button for KSC9, white, 15.4mm		
611—BTNKSC990		Button for KSC9, black, 15.4mm		

KSE SERIES LOW PROFILE TACT SWITCH

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KSEM31JLFS	B	B	150g	3.1		
611—KSEM31GLFS	B	B	150g	3.1		

KSCV2 SERIES SIDE ACTUATED SEALED TACT SWITCH

MOUSER STOCK NO.	C&K Part No	Fig.	Operating Force	Height (mm)	Price Each	
					1	25
611-KSC441V2SPDELTA	IKSC441V2 SP Delta LFS	C	200g	5.0		

KMT0 SERIES NANO-MINIATURE SMT TOP ACTUATED

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KMT012NGJLHS	D	D	160g	0.65		
611—KMT022NGJLHS	D	D	160g	0.65		
611—KMT072NGJLHS	D	D	230g	0.65		

KSA & KSL SERIES SEALED TACTILE SWITCH

Features:

- Designed for automatic or manual insertion
- Top or side actuated
- Cambered terminals to ensure self retention

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KSA0M211-LFT	E	E	130g	4.7		
611—KSA0M411-LFT	E	E	300g	4.7		
611—KSL0M412-LFT	F	F	300g	9.9		
611—KSL0V411-LFT	F	F	300g	9.9		
611—KSL0M212LFT	F	F	130gf	9.9		
611—KSL0M312LFT	F	F	130gf	9.9		
611—KSL0M411LFT	F	F	300gf	9.9		
611—KSL0M431LFT	F	F	300gf	9.9		
611—KSL0V311LFT	F	F	130gf	9.9		
611—KSL1M411LFT	F	F	300gf	9.9		

KSC SERIES TACTILE SWITCH FOR SMT

Features:

- Positive tactile feeling
- Range of 6 actuation forces
- IP 67
- J or G terminations

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KSC221G-LFS	G	G	160g	3.5		
611—KSC221J-LFS	G	G	160g	3.5		
611—KSC241G-LFS	G	G	300g	3.5		
611—KSC241J-LFS	G	G	300g	3.5		
611—KSC341J-LFS	H	H	300g	3.5		
611—KSC351J-LFS	H	H	550g	3.5		
611—KSC421G70SH-LFS	I	I	160g	5.2		
611—KSC441J70SH-LFS	I	I	300g	5.2		
611—KSC641G-LFS	J	J	300g	7.7		
611—KSC641J-LFS	J	J	300g	7.7		
611—KSC721JLFS	J	J	300g	4.3		

KSC SERIES TACTILE SWITCH FOR SMT (CONT.)

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KSC721GLFS	J	J	160g	4.3		
611—KSC741JLFS	J	J	400g	4.3		
611—KSC741GLFS	J	J	400g	4.3		

KST SERIES LONG TRAVEL TACT SWITCH FOR SMT

Features:

- Rubber actuator
- Compatible with pick and place machines
- Silver contact material
- IP 40 sealed
- J or G terminals

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KST241GLFS	K	K	350gf	5.0		

KT SERIES RIGHT ANGLE SEALED TACTILE SWITCH FOR SMT

MOUSER STOCK NO.		Fig.	Operating Force	Terminal	Price Each	
Mfr.	Mfr. Part No.				1	25
611—KT11B2JM34-LFS	L	L	300gf	Top J Bend		
611—KT11P2JM34-LFS	L	L	300gf	Top J Bend		
611—KT11P2SM34-LFS	L	L	300gf	Top Gullwing		
611—KT11B1SAM34LFS	M	M	300gf	Right Angle		
611—KT11P2SA3M34LFS	M	M	300gf	Right Angle w/ pick & place tab		
611—KT11P3SA1M34LFS	M	M	300gf	Right Angle w/ front solder pad		
611—KT11P4SA1M34LFS	M	M	300gf	Right Angle w/ front solder pad		
611—KT11P4SA2M35LFG	M	M	300gf	Right Angle w/ front solder pad and pick & place tab		

KMR2/KSR/KSS SERIES TACTILE SWITCHES

MOUSER STOCK NO.		Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.				1	25
Microminiature SMT Top Actuated, Operating Temperature -40°C to 125°C						
611—KMR211G-LFS	N	N	120g	1.9		
611—KMR221G-LFS	N	N	200g	1.9		
611—KMR241GLFS	N	N	400gf	1.9		
Subminiature SMT, IP 50 Sealed, Operating Temperature -40°C to 125°C						
611—KSR221G-LFS	O	O	200g	2.5		
Subminiature SMT Side Actuated, IP 50 Sealed, Operating Temp. -40°C to 125°C						
611—KSS221GLFS	P	P	200g	1.7		
611—KSS231G-LFS	P	P	250g	1.7		
611—KSS331G-LFS	P	P	250g	1.7		
611—KMS231GLFS	P	P	200gf	1.7		
611—KMS331LFG	P	P	200gf	1.7		

PTS125/525/635/645 SERIES TACTILE SWITCHES

MOUSER STOCK NO.		C&K Part No	Fig.	Operating Force	Height (mm)	Price Each	
Mfr.	Mfr. Part No.					1	25
12mm, Operating Temperature: -40°C to 60°C							
611—PTS125SM43-LFS		PTS125SM43 LFS	M	160g	4.3		
611—PTS125SM85-LFS		PTS125SM85 LFS	M	160g	8.5		
Microminiature SMT, 5.25mm x 5.25mm, Operating Temperature: -40°C to 60°C							
611—PTS525SM10-LFS		PTS525SM10SMTR LFS	Q	160g	1.5		
6x6 mm, Operating Temperature: -20°C to 60°C							
611—PTS645SL70LFS		PTS645SL70 LFS	R	130g	3.6		
611—PTS645VL31LFS		PTS645VL31 LFS	R	130g	3.6		

RS SERIES: SUB-MINIATURE SMT TACTILE SWITCHES

Features:

- Contact Form: SPST-NO Off-Momentary
- Contact Rating: 0.05 AMP@12VDC

MOUSER STOCK NO.		C&K Part No	Fig.	Operating Force	Price Each	
Mfr.	Mfr. Part No.				1	25
611—RS014R05B1SMA10R		RS-014R05B1-SMA10 RT	S	160gf		
611—RS-022R05C1-PA		RS-022R05C1-PA	T	160gf		
611—RS-032G05A3-SMRT		RS-032G05A3-SM RT	U	250gf		
611—RS187R05A2DSMTRT		RS-187R05A2-DS MT RT	V	160gf		
611—RS-197N05A1-DSRT		RS-197N05A1-DS RT	W	160gf		
611—RS-282G05A3-SMRT		RS-282G05A3-SM RT	X	250gf		

MOUNTAIN SWITCH Surface Mount Tactile Switches

RoHS Compliant This product is RoHS compliant.



TS SERIES TACTILE SWITCHES

3.7x6 SMD Tactile Switch

MOUSER STOCK NO.	Fig.	Dimensions: mm			Operating Force (gf)	Price Each			
		L	W	H		1	50	100	500
101-TS3724T1600-EV	A	6.0	3.7	2.5	160				

For quantities greater than listed, call for quote.

Extra Thin Side Actuated Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS3923R1600-EV	B	7.0	3.5	3.5	160				
101-TS3923R2600-EV	B	7.0	3.5	3.5	260				

For quantities greater than listed, call for quote.

3.5x6 SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS4322T1601-EV	C	6.0	3.5	4.3	160				
101-TS4322T2601-EV	C	6.0	3.5	4.3	260				
101-TS4322T3201-EV	C	6.0	3.5	4.3	320				
101-TS4322T5201-EV	C	6.0	3.5	4.3	520				
101-TS4322T1602-EV	C	6.0	3.5	5.0	160				
101-TS4322T2602-EV	C	6.0	3.5	5.0	260				
101-TS4322T3202-EV	C	6.0	3.5	5.0	320				
101-TS4322T5202-EV	C	6.0	3.5	5.0	520				

For quantities greater than listed, call for quote.

5x5 Thin SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS4522T1601-EV	D	5.2	5.2	0.8	160				
101-TS4522T2601-EV	D	5.2	5.2	0.8	260				
101-TS4522T1602-EV	E	5.2	5.2	1.5	160				
101-TS4522T2602-EV	E	5.2	5.2	1.5	260				

For quantities greater than listed, call for quote.

Side Actuated SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS4722R2200-EV	F	3.9	1.5	3.5	220				
101-TS4922R2600-EV	F	4.7	1.7	4.5	260				

For quantities greater than listed, call for quote.

Miniature SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS5022T1601-EV	G	4.7	3.5	2.1	160				
101-TS5022T1602-EV	G	4.7	3.5	2.5	160				

For quantities greater than listed, call for quote.

Right Angle SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS4122R1602-EV	B	6.0	4.5	4.2	160				
101-TS5722R2601-EV	H	6.1	6.1	3.0	260				

For quantities greater than listed, call for quote.

6x6 Thin F-Type SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS5922T1002-EV	I	6.4	6.2	2.5	100				
101-TS5922T3202-EV	I	6.4	6.2	2.5	320				

For quantities greater than listed, call for quote.

6x6 SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS6324T1605BC-EV	J	6.2	6.2	7.3	160				
101-TS6324T1607-EV	K	6.2	6.2	13.0	160				

For quantities greater than listed, call for quote.

12x12 SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS6424T2601-EV	K	12.0	12.0	4.3	260				
101-TS6424T3201-EV	K	12.0	12.0	4.3	320				
101-TS6424T2602AC-EV	J	12.0	12.0	7.3	260				
101-TS6424T3202AC-EV	J	12.0	12.0	7.3	320				
101-TS6424T2603-EV	K	12.0	12.0	8.5	260				
101-TS6424T3203-EV	K	12.0	12.0	8.5	320				

For quantities greater than listed, call for quote.

6x6 Washable SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS6824T1601-EV	L	6.3	6.2	2.3	160				
101-TS6824T1803-EV	L	6.3	6.2	3.5	180				
101-TS6824T2603-EV	L	6.3	6.2	3.5	260				
101-TS6824T2604-EV	L	6.3	6.2	3.8	260				
101-TS6824T3604-EV	L	6.3	6.2	3.8	360				
101-TS6824T1805-EV	L	6.3	6.2	5.2	180				
101-TS6824T2605-EV	L	6.3	6.2	5.2	260				
101-TS6824T3605-EV	L	6.3	6.2	5.2	360				

For quantities greater than listed, call for quote.

6x6 Washable J-Type SMD Tactile Switches

					For quantities greater than listed, call for quote.				
101-TS6923T1803-EV	M	6.3	6.2	3.5	180				
101-TS6923T2603-EV	M	6.3	6.2	3.5	260				
101-TS6923T2604-EV	M	6.3	6.2	3.8	260				
101-TS6923T3604-EV	M	6.3	6.2	3.8	360				
101-TS6923T2605-EV	M	6.3	6.2	5.2	260				
101-TS6923T3605-EV	M	6.3	6.2	5.2	360				

For quantities greater than listed, call for quote.

Electrical Specifications

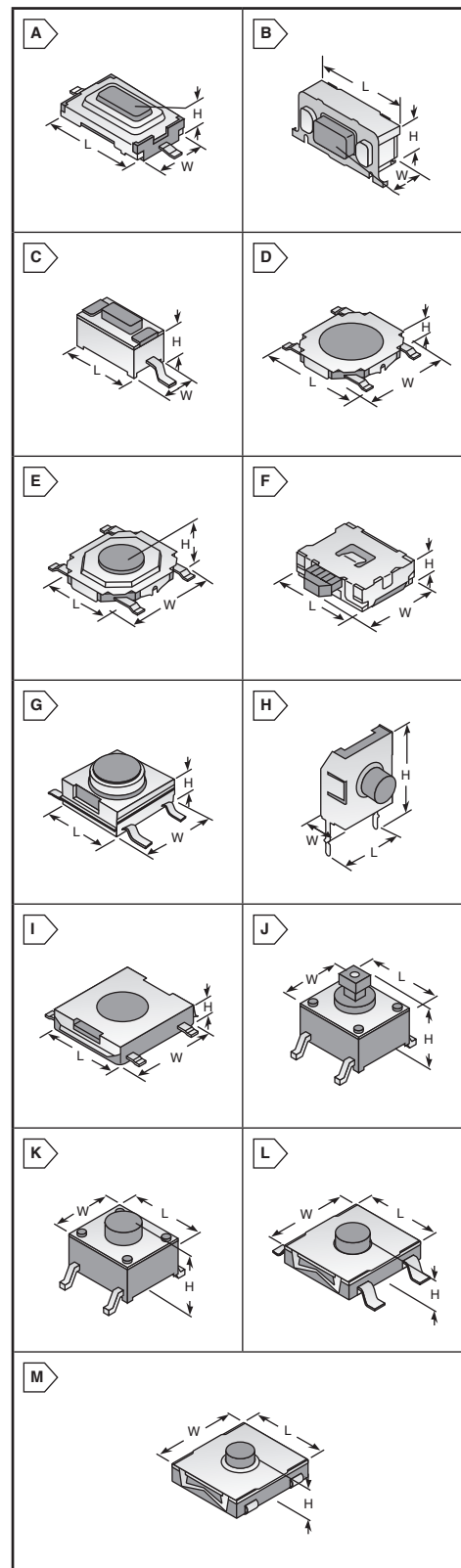
- Rating: 50mA / 12VDC
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩ min. / 500VDC
- Dielectric Strength: 250VAC / minute

Mechanical Specifications

- Operational Temp.: -25°C to +70°C
- Storage Temp.: -30°C to +80°C



RoHS Compliant



Mountain Switch Tactile Switches

MOUNTAIN SWITCH Tactile Switches



This product is RoHS compliant.

TA, TH, TF, IG, & L6 SERIES TACTILE SWITCHES

Specifications:

- Rating: 50mA/50VDC (TA & TH Series) • Contact Resistance: 100mΩ Max
- Rating: 50mA/12VDC (TF, IG, & L6 Series)

MOUSER STOCK NO.	Fig.	Dimensions: mm			Operating Force (gf)	Price Each			
		L	W	H		1	50	100	500
TA Series Tactile Switches									
101-TA81-EV	A	8.0	7.5	13.3	130				
101-TA82-EV	A	8.0	7.5	13.3	300				
TH Series Tactile Switches									
101-TH71-EV	B	7.4	7.4	8.9	130				
101-TH72-EV	B	7.4	7.4	8.9	300				
TF Series Tactile Switches									
101-TF25N-EV	C	7.3	3.8	2.5	200				
101-TF25R-EV	C	7.3	3.8	2.5	300				
101-TF25S-EV	C	7.3	3.8	2.5	400				
IG Series Tactile Switches									
101-IG14K-EV	D	3.6	4.6	1.4	200				
L6 Series Tactile Switches									
101-L613R-EV	E	7.4	6.0	5.0	200				
101-L613S-EV	E	7.4	6.0	5.0	350				

TS SERIES TACTILE SWITCHES

Specifications:

- Rating: 50mA/12VDC • Contact Resistance: 100mΩ max. • Dielectric Strength: 250VAC/minute

3.5x6 Tactile Switches									
101-TS4311T1601-EV	F	6.0	3.5	4.3	160				
101-TS4311T2601-EV	F	6.0	3.5	4.3	260				
101-TS4311T3201-EV	F	6.0	3.5	4.3	320				
101-TS4311T5201-EV	F	6.0	3.5	4.3	520				
101-TS4311T1602-EV	F	6.0	3.5	5.0	160				
101-TS4311T2602-EV	F	6.0	3.5	5.0	260				
101-TS4311T3202-EV	F	6.0	3.5	5.0	320				
101-TS4311T5202-EV	F	6.0	3.5	5.0	520				
6x6 Tactile Switches									
101-TS6111T1601-EV	G	6.2	6.2	4.3	160				
101-TS6111T1602-EV	G	6.2	6.2	5.0	160				
101-TS6111T1603-EV	G	6.2	6.2	7.0	160				
101-TS6111T1605BC-EV	H	6.2	6.2	7.3	160				
101-TS6111T1606-EV	G	6.2	6.2	9.5	160				
101-TS6111T1607-EV	G	6.2	6.2	13.0	160				
12x12 Tactile Switches									
101-TS6211T2601-EV	G	12.0	12.0	4.3	260				
101-TS6211T3201-EV	G	12.0	12.0	4.3	320				
* 101-TS6211T2602AC-EV	H	12.0	12.0	7.3	260				
* 101-TS6211T3202AC-EV	H	12.0	12.0	7.3	320				
101-TS6211T1603-EV	G	12.0	12.0	8.5	160				
101-TS6211T2603-EV	G	12.0	12.0	8.5	260				
101-TS6211T3203-EV	G	12.0	12.0	8.5	320				
Right Angle Tactile Switches									
101-TS6511R1601-EV	I	6.2	6.5	3.1	160				
101-TS6511R1602-EV	I	6.2	6.5	3.8	160				
101-TS6511R1604BC-EV	J	6.2	6.5	6.1	160				
101-TS6511R1606-EV	I	6.2	6.5	8.3	160				
101-TS6511R1607-EV	I	6.2	6.5	11.8	160				
6x6 Washable Tactile									
101-TS6711T1602-EV	K	6.3	6.2	3.1	160				
101-TS6711T2604-EV	K	6.3	6.2	3.8	260				
101-TS6711T2605-EV	K	6.3	6.2	5.2	260				
6x6 Radial Leaded Tactile Switches									
101-TS7311T1601-EV	L	6.2	6.2	4.3	160				
101-TS7311T1602-EV	L	6.2	6.2	5.0	160				
101-TS7311T1603-EV	L	6.2	6.2	7.0	160				
101-TS7311T1604BC-EV	M	6.2	6.2	7.3	160				
101-TS7311T1605BC-EV	M	6.2	6.2	7.3	160				
101-TS7311T1606-EV	L	6.2	6.2	9.0	160				
101-TS7311T1607-EV	L	6.2	6.2	13.0	160				

*Order caps 101-0110-EV through 101-0119-EV and 101-0210-EV through 101-0219-EV.

†Order caps 101-0100-EV through 101-0109-EV and 101-0200-EV through 101-0209-EV.

TS55 SERIES ILLUMINATED TACTILE SWITCHES

Specifications:

- Dielectric Strength: 250VAC/minute
- Rating: 50mA/12VDC • Contact Resistance: 100mΩ max.

MOUSER STOCK NO.	Fig.	Dimensions: mm			Color	Operating Force (gf)	Price Each			
		L	W	H			1	50	100	500
101-TS5511T16002R-EV	N	6.1	6.1	7.0	Red	160				
101-TS5511T16002Y-EV	N	6.1	6.1	7.0	Yellow	160				
101-TS5511T16002G-EV	N	6.1	6.1	7.0	Green	160				
101-TS5511T16002B-EV	N	6.1	6.1	7.0	Blue	160				
101-TS5511T16001W-EV	N	6.1	6.1	7.0	White	260				
101-TS5511T26002R-EV	N	6.1	6.1	7.0	Red	260				
101-TS5511T26002G-EV	N	6.1	6.1	7.0	Green	260				
101-TS5511T26002B-EV	N	6.1	6.1	7.0	Blue	260				
101-TS5511T26001W-EV	N	6.1	6.1	7.0	White	260				

TS55 SERIES ILLUMINATED TACTILE SWITCH CAPS

Round: Replace the blank in the Mouser Stock No. with: **K** for Black, **B** for Blue, **G** for Green, **I** for Ivory, **R** for Red, **S** for Salmon, **Y** for Yellow.

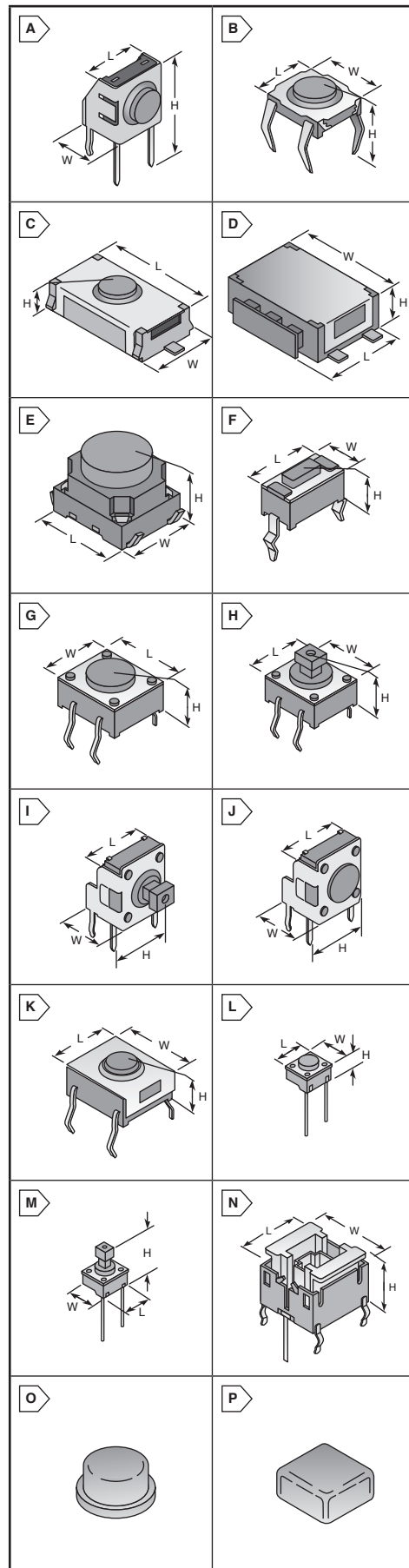
Square: Replace the blank in the Mouser Stock No. with: **YEL** for Yellow, **BLU** for Blue, **RED** for Red, **IVY** for Ivory, **BLK** for Black, **GRN** for Green, **SMN** for Salmon.

MOUSER STOCK NO.	Fig.	Shape	General Tolerances	Price Each			
				1	50	100	500
101-TS55KTRA__-EV	O	Round	±0.3mm				
101-TS55KCS__-EV	P	Square	±0.3mm				

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

mouser.com/mountainswitch



Mountain Switch

Tactile Switches

EUsales@mouser.com

1677

© Copyright 2014 Mouser Electronics

MOUNTAIN SWITCH Tactile Switches and Caps



TACTILE SWITCHES THRU-HOLE TYPE

RoHS Compliant This product is RoHS compliant.
DIMENSIONS: mm

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensation when the switch "clicks" into place
- Ultraminiature and light weight structure suitable for high density mounting
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping
- The washable type switches are designed to allow submersed washing after soldering

Specifications:

- Rating: 50mA/12VDC
- Contact Resistance: 100mΩ max.



RoHS Compliant

Standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	50	100	500	1000
101-0161-EV	A	4.3	6.0	130					
101-0261-EV	A	5.0	6.0	130					
101-0361-EV	A	7.0	6.0	130					
101-0461-EV	A	9.5	6.0	130					
101-0162-EV	B	4.3	6.0	130					
101-0262-EV	B	5.0	6.0	130					
101-0362-EV	B	7.0	6.0	130					
101-0462-EV	B	9.5	6.0	130					
101-0163-EV	C	3.1	6.2	130					
101-0263-EV	C	3.8	6.2	130					
101-0363-EV	C	5.8	6.2	130					
101-0463-EV	C	8.3	6.2	130					
101-0661-EV	D	7.3	6.0	160					
101-0121-EV	E	4.3	12.0	160					
101-0621-EV	F	7.3	12.0	160					

* Order caps A and B below for switches 101-0621-EV and 101-0624-EV.

† Order caps C and D below for switches 101-0661-EV and 101-0664-EV.

Washable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	50	100	500	1000
101-0165-EV	G	2.3	6.2	160					
101-0365-EV	H	3.8	6.2	160					



TACTILE SWITCHES SMD

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensation when the switch "clicks" into place
- Ultraminiature and light weight structure suitable for high density mounting
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping
- The washable type switches are designed to allow submersed washing after soldering

Specifications:

- Rating: 50mA/12VDC
- Contact Resistance: 100mΩ max.



RoHS Compliant

Non-Waterproof Gull Wing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	50	100	500	1000
101-0134-EV	I	4.3	6.0	160					
101-0164-EV	J	4.3	6.0	160					
101-0264-EV	J	5.0	6.0	160					
101-0364-EV	J	7.0	6.0	160					
101-0464-EV	J	9.5	6.0	160					
101-0664-EV	K	7.3	6.0	160					
101-0124-EV	L	4.3	12.0	160					
101-0624-EV	M	7.3	12.0	160					

* Order caps A and B below for switches 101-0621-EV and 101-0624-EV.

† Order caps C and D below for switches 101-0661-EV and 101-0664-EV.

Washable Gull Wing

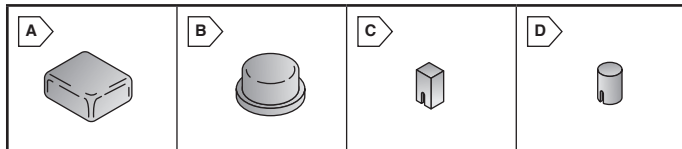
For quantities greater than listed, call for quote.

101-0266-EV	N	3.1	6.3	160					
101-0366-EV	N	3.8	6.3	160					

Washable "J" Wing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	50	100	500	1000
101-0267-EV	O	3.1	6.3	160					
101-0367-EV	O	3.8	6.3	160					



TACTILE SWITCH CAPS

Caps A and B are used with switches 101-0621-EV, 101-0624-EV, 101-TS6211T2602AC-EV and 101-TS6211T3202AC-EV. Caps C and D are used with switches 101-0661-EV, 101-0664-EV, 101-TS6511R1604BC-EV and 101-TS7311T1604BC-EV.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Shape	Color	Price Each				
				1	50	100	500	1000
101-0116-EV	A	Square	Blue					
101-0115-EV	A	Square	Green					
101-0110-EV	A	Square	Black					
101-0119-EV	A	Square	Ivory					
101-0112-EV	A	Square	Red					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Shape	Color	Price Each				
				1	50	100	500	1000
101-0216-EV	B	Round	Blue					
101-0215-EV	B	Round	Green					
101-0210-EV	B	Round	Black					
101-0219-EV	B	Round	Ivory					
101-0212-EV	B	Round	Red					
101-0214-EV	B	Round	Yellow					
101-0106-EV	C	Square	Blue					
101-0105-EV	C	Square	Green					
101-0100-EV	C	Square	Black					
101-0109-EV	C	Square	Ivory					
101-0102-EV	C	Square	Red					
101-0104-EV	C	Square	Yellow					
101-0206-EV	D	Round	Blue					
101-0205-EV	D	Round	Green					
101-0200-EV	D	Round	Black					
101-0209-EV	D	Round	Ivory					
101-0202-EV	D	Round	Red					
101-0204-EV	D	Round	Yellow					

NKK Tactile Switches

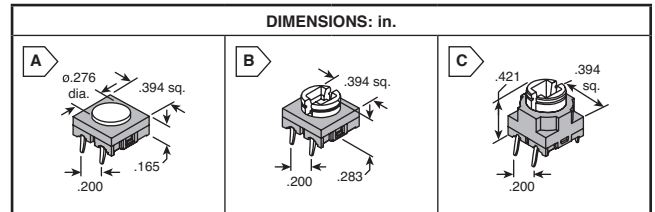


JB SERIES: PROCESSED SEALED LOW PROFILE TACTILES

- Power rating: 50mA @ 24VDC for 180g OF (1.76N); 125mA @ 24VDC 270g OF (2.65N)
- SPST Off-(On)
- Dome contact



MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Operating Force (g)	Price Each			
					1	25	50	100
633-JB15FP	JB15FP	A	Short blue button	180				
633-JB15KP	JB15KP	B	Short actuator	180				
633-JB15HAP	JB15HAP	C	Extended actuator	270				
Sculptured Snap-On Caps for JB15KP and JB15HAP								
633-AT4058A	AT4058A	D	Black matte finish	-				
633-AT4058B	AT4058B	D	White matte finish	-				
633-AT4058C	AT4058C	D	Red matte finish	-				
633-AT4058H	AT4058H	D	Gray matte finish	-				
Flat Snap-On Caps for JB15KP and JB15HAP								
633-AT4059A	AT4059A	E	Black glossy finish	-				
633-AT4059B	AT4059B	E	White glossy finish	-				
633-AT4059C	AT4059C	E	Red glossy finish	-				
633-AT4059H	AT4059H	E	Gray glossy finish	-				

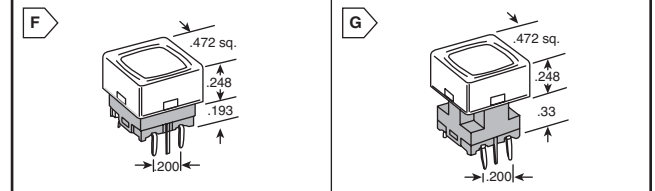
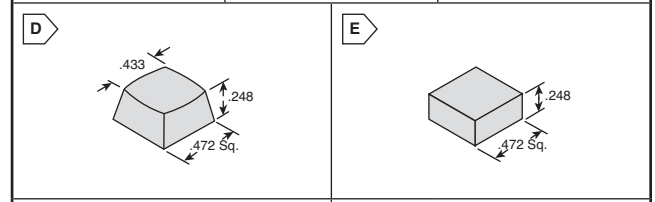


JB SERIES: ILLUMINATED, PROCESSED SEALED LOW PROFILE TACTILES

- Power rating: 50mA @ 24VDC for 180g OF (1.76N); 125mA @ 24VDC 270g OF (2.65N)
- Bright full face illumination
- Dome contact



MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each				
				1	25	50	100	
Standard OF (180g); Short Actuator; Flat Snap-on Cap								
633-JB15LPC	JB15LPC-JC	F	Red LED/Flat clear lens/Red diffuser					
633-JB15LPE	JB15LPE-JE	F	Yellow LED/Flat clear lens/Yellow diffuser					
633-JB15LPE	JB15LPE-JE	F	Green LED/Flat clear lens/Green diffuser					
High OF (270g); Extended Actuator; Framed Snap-on Cap								
633-JB15HBPC	JB15HBPC-JC	G	Red LED/Flat clear lens/Red diffuser					
633-JB15HBPE	JB15HBPE-JE	G	Yellow LED/Flat clear lens/Yellow diffuser					
633-JB15HBPF	JB15HBPF-JF	G	Green LED/Flat clear lens/Green diffuser					



For Figures F and G

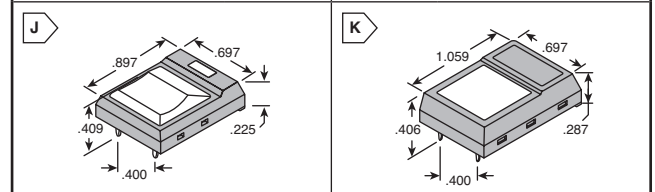
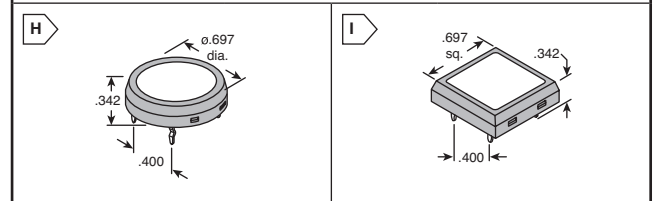
LED Specifications	Color		
	Red	Yellow	Green
Forward Peak Current	25mA	25mA	25mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	2.0V	2.2V	2.1V
Reverse Peak Voltage	4V	4V	4V
Current Reduction Rate Above 25°C	0.42mA/°C		
Ambient Temperature Range	-25°C ~ +70°C		

JF SERIES: PROCESSED SEALED ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- 5mm height
- SPST Off-(On)
- Dome contact



MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each				
				1	25	50	100	
Round Housing and Actuator								
633-JF15CP2C	JF15CP2C	H	Black housing/Red actuator					
633-JF15CP2D	JF15CP2D	H	Black housing/Orange actuator					
633-JF15CP2F	JF15CP2F	H	Black housing/Green actuator					
633-JF15CP2G	JF15CP2G	H	Black housing/Blue actuator					
633-JF15CP2H	JF15CP2H	H	Black housing/Gray actuator					
Square Housing and Actuator								
633-JF15SP1C	JF15SP1C	I	Black housing/Red actuator					
633-JF15SP1D	JF15SP1D	I	Black housing/Orange actuator					
633-JF15SP1F	JF15SP1F	I	Black housing/Green actuator					
633-JF15SP1G	JF15SP1G	I	Black housing/Blue actuator					
633-JF15SP1H	JF15SP1H	I	Black housing/Gray actuator					



For Figures J and K

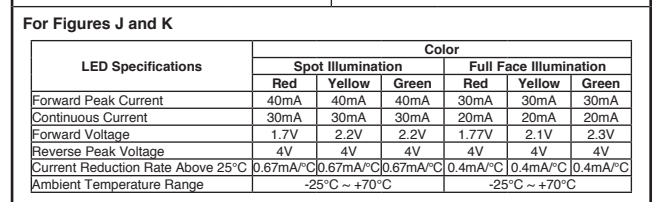
LED Specifications	Color					
	Spot Illumination			Full Face Illumination		
	Red	Yellow	Green	Red	Yellow	Green
Forward Peak Current	40mA	40mA	40mA	30mA	30mA	30mA
Continuous Current	30mA	30mA	30mA	20mA	20mA	20mA
Forward Voltage	1.7V	2.2V	2.2V	1.77V	2.1V	2.3V
Reverse Peak Voltage	4V	4V	4V	4V	4V	4V
Current Reduction Rate Above 25°C	0.67mA/°C	0.67mA/°C	0.67mA/°C	0.4mA/°C	0.4mA/°C	0.4mA/°C
Ambient Temperature Range	-25°C ~ +70°C			-25°C ~ +70°C		

JF SERIES: ILLUMINATED, PROCESSED SEALED ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N) for flush actuator; 204g (2.0N) for sculptured actuator
- Spot or full face illumination
- SPST Off-(On)
- Dome contact



MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each				
				1	25	50	100	
Spot Illuminated, Sculptured Actuator								
633-JF15RP3HC	JF15RP3HC	J	Gray actuator/Red LED					
633-JF15RP3HE	JF15RP3HE	J	Gray actuator/Yellow LED					
633-JF15RP3HF	JF15RP3HF	J	Gray actuator/Green LED					
633-JF15RP3GC	JF15RP3GC	J	Blue actuator/Red LED					
633-JF15RP3GE	JF15RP3GE	J	Blue actuator/Yellow LED					
633-JF15RP3GF	JF15RP3GF	J	Blue actuator/Green LED					
Full Face Illuminated, Square Actuator								
633-JF15AP1CC	JF15AP1CC	K	Red actuator/Red LED					
633-JF15AP1EE	JF15AP1EE	K	Yellow actuator/Yellow LED					
633-JF15AP1FF	JF15AP1FF	K	Green actuator/Green LED					



For Figure L

LED Specifications	Color		
	Red	Yellow	Green
Forward Peak Current	75mA	100mA	100mA
Continuous Current	60mA	80mA	80mA
Forward Voltage	4.0V	4.2V	4.2V
Reverse Peak Voltage	8V	8V	8V
Current Reduction Rate Above 25°C	0.98mA/°C	1.31mA/°C	1.31mA/°C
Ambient Temperature Range	-25°C ~ +50°C		

JL SERIES: ILLUMINATED, ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- SPST Off-(On)
- Full face illumination
- Dome contact
- Low profile



MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each			
				1	25	50	100
633-SKSCCP2-RO	JL15SKSCCP2	L	Red actuator/Red LED				
633-SKSFPP2-RO	JL15SKSFPP2	L	Green actuator/Green LED				

Detection Switches

RoHS Compliant This product is RoHS compliant.

ALPS COMPACT TWO-WAY DETECTOR SWITCH

- Features:**
- Right and left detection
 - Double-sided sliding contact
- Specifications:**
- Rating: 1mA @ 5VDC
 - Operating force: 350gf
- Applications:**
- For switching modes and zoom operation of cameras
 - Detection mechanism in DVD players, digital camcorders
- RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Start Position	Location Lug	Price Each				Pkg. Qty.	Price Per Piece
					1	50	100	500		
688-SSCM120100	SSCM120100	A	3.58mm	Without					3000	

ALPS LOW-PROFILE DETECTOR SWITCH

- Features:**
- Circuit: 1 pole 1 position
- Specifications:**
- Rating: 10mA @ 16VDC
 - Operating force: 85gf
 - ON/OFF Start Position: 5.4mm
- Applications:**
- Detection mechanism in car navigation systems and car audio systems
- RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	Total Travel Position	Circuit Arrangement	Price Each			
					1	50	100	500
688-SPVC110300	SPVC110300	B	2.0mm	Push ON				

ALPS COMPACT LONG LIFE DETECTOR SWITCHES

- Features:**
- SMD types are reflow solderable, on tape and reel
- Specifications:**
- Rating: 100mA @ 12VDC
 - Operating force: 35gf
- Applications:**
- Detection of insertion of media such as DVDs, CDs
- RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Starting Position	Total Travel Position	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
SMD Mount - Vertical Operating Direction										
688-SPPB530601	SPPB530601	C	8.05mm	6.10mm					1500	
SMD Mount - Horizontal Operating Direction										
688-SPPB530701	SPPB530701	D	8.05mm	6.10mm					1500	
688-SPPB630101	SPPB630101	E	3.70mm	1.70mm					1300	
688-SPPB640201	SPPB640201	F	3.70mm	1.70mm					1300	
PCB Mount - Vertical Operating Direction										
688-SPPB512300	SPPB512300	G	8.05mm	6.10mm					4000	

ALPS TWO-WAY DETECTOR SWITCHES

- Features:**
- Long ON travel
 - Detection in both right and left directions
- Specifications:**
- Rating: 100mA @ 12VDC
 - Operating force: 70gf
- Applications:**
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.
- RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	Mounting Style	Terminal Style	Price Each			
					1	50	100	500
688-SSCF110100	SSCF110100	H	PCB	Snap-in				
688-SSCF210100	SSCF210100	I	Screw	Snap-in				
688-SSCF310100	SSCF310100	J	PCB with hook	Snap-in				
688-SSCF210300	SSCF210300	K	Screw	Solder/leads				

ALPS TWO-WAY DETECTOR SWITCH

- Features:**
- Can be pressed either horizontally or vertically for detection
- Specifications:**
- Rating: 100mA @ 12VDC
 - Operating force: 30.6gf
- Applications:**
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.
- RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Starting Position	Total Travel Position	Price Each			
					1	50	100	500
688-SPVF140100	SPVF140100	L	9.95mm	7.80mm				

G&K DS SERIES: SUB-MINIATURE DETECTOR SWITCHES

PRODUCT **NEW**



MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Rating	Operating Force	Price Each			
					1	25	100	250
611-DS-0200530	DS-02005	M	0.1 Amp. @ 30VDC	30gf				
611-DS-040-02	DS-040-02	N	0.1 Amp. @ 16VDC	30gf				
611-DS-080-CPA	DS-080-C PA	O	0.1 Amp. @ 16VDC	30gf				
611-DS-180RT	DS-180 RT	P	0.001 Amp. @ 5VDC	60gf				

Panasonic Electronic Components ESE16 SERIES: DETECTOR SWITCH

- Specifications:**
- Rating: 50µA 3Vdc to 10mA 5Vdc (Resistive load)

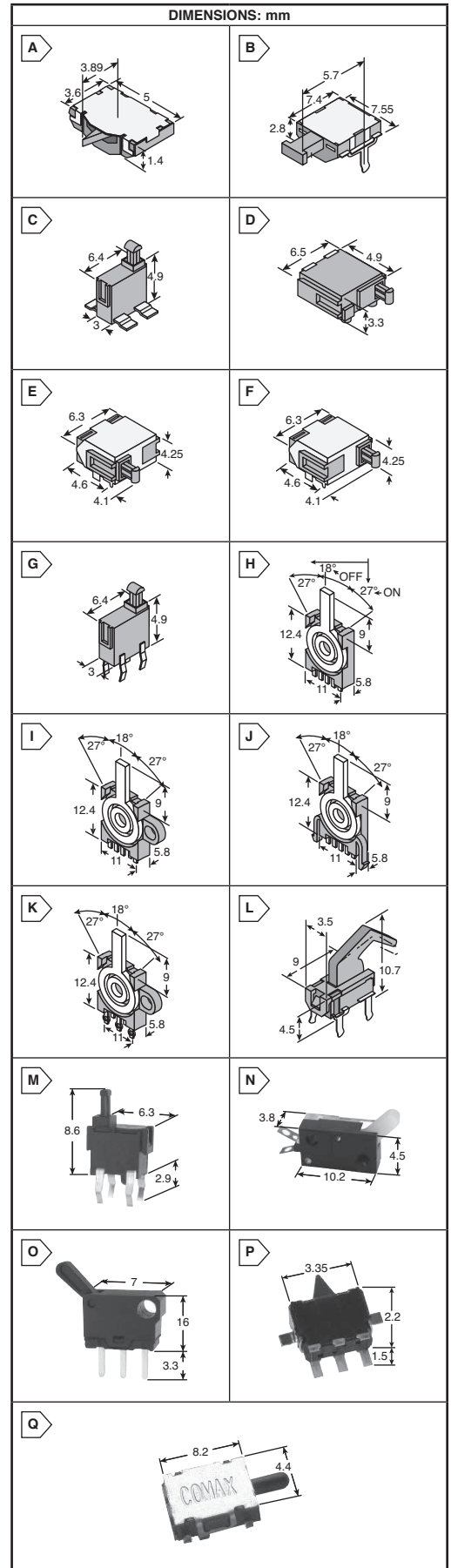
PRODUCT **NEW**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Operating Force	Mounting "H"	On Starting Position	Full Travel	Price Each			
							1	25	100	500
1VR										
667-ESE-16J001	ESE-16J001	Q	250Mn	1.5mm	2.2mm	1.5mm				

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics



Detection Switches

Directional Switches

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Octagonal shape contributes to smaller mounting space
- Reflow solderable
- Tape and reel packaging
- Rating: 50mA @ 12VDC
- 4-directional/center push travel: 0.25mm/0.15mm
- Portable audio devices
- Digital cameras and video cameras
- Cellular phones and PDA's



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Oper. Force Dir./Cntr Push	Guide Bosses	Operating Life	Price Each			
						1	50	100	500
688-SKRHAB	SKRHAB	A	1.23N/2.35N	Yes	200,000				
688-SKRHAD	SKRHAD	A	1.2N/2.35N	Yes	1,000,000				

DIMENSIONS: mm

A

B

C

D

E

F

G

H

I

J

K

L

Directional Switches

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Reflow solderable
- Surface mount type on tape and reel packaging
- Rating: 50mA @ 12VDC
- Tactile feedback
- Operations of various multi-functional electronic equipment



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Oper. Force Dir./Cntr Push	Guide Bosses	Operating Life	Price Each			
						1	50	100	500
Snap-In Type									
688-SKQUAA	SKQUAA	B	1.57N/---	0.35mm/---	50,000				
688-SKQUCA	SKQUCA	C	1.57N/3.14N	0.4mm/0.2mm	100,000				
Surface Mount Type									
688-SKQUBA	SKQUBA	D	1.57N/---	0.35mm/---	50,000				
688-SKQUDB	SKQUDB	E	1.57N/3.14N	0.4mm/0.2mm	100,000				

ALPS HORIZONTAL TYPE SEESAW AND PUSH OPERATION SWITCHES

- Single knob allows CW, CCW, and push operations
- Lever Color: Black except for SLLB120200 and SLLB220200 which are gray
- Tape and reel packaging
- Rating: 10mA @ 5VDC
- Lever/Push function operating force: 0.65±0.3N/2±1N
- Operating life: 100,000 cycles
- For selecting menus of PDA's, mobile phones, laptop computers, and electronic organizers
- For selecting menus of remote controllers



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Location Lug	Push-On Switch	Push Oper. Travel	Price Each			
						1	25	50	100
688-SLLB120100	SLLB120100	F	Yes	Yes	0.85mm				
688-SLLB120200	SLLB120200	G	Yes	Yes	0.85mm				
688-SLLB120300	SLLB120300	G	Yes	Yes	0.85mm				
688-SLLB510100	SLLB510100	H	Yes	No	0.7mm				
688-SLLB510200	SLLB510200	H	No	No	0.7mm				

ALPS STICK CONTROLLERS

- Ideal for fingertip operation
- Compact design
- Lever return mechanism
- Resistance taper: 0B
- Total resistance: 10KW
- Operating force: 5.2±2.6N
- Travel: 0.5mm
- Game and remote controllers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Center Push	Potentiometer Rating	Center Push Rating	Price Each				
						1	25	50	100	200
688-RKJXK122000D	RKJXK122000D	I	No	0.0125W	50mA @ 12VDC					
688-RKJXK122400Y	RKJXK122400Y	J	Yes	0.0125W	50mA @ 12VDC					

ALPS 8-DIRECTIONAL SWITCH WITH CENTER PUSH

- Compact, low profile
- Uniform operating force in any direction
- Rating: 10mA @ 5VDC
- Operating life: RKJXL=100,000 cycles; RKJXS=500,000 cycles
- Controlling cursors in car navigation systems
- Control of office and AV equipment



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Operating Force		Operating Angle (Lever)	Travel (Push)	Price Each				
			Direction	Center Push			1	25	50	100	200
688-RKJXL100401V	RKJXL100401V	K	10±7mN·m	4.5±1N	12±3°	0.2mm					

G&K TPA SERIES MULTIDIRECTION SMT NAVIGATION SWITCH

- Features:**
- One touch, 5 way switching
 - Distinctive tactile feel for scanning and select functions
 - Normally open momentary contacts
 - Push down to select possible in any position
 - Optional pegs for improved mechanical strength and easier PCB positioning

- Applications:**
- Electronic devices requiring direct control on LCD display
 - MP3 player
 - Bluetooth Headset
 - Digital cameras
 - GPS navigation systems
 - Home entertainment systems
 - Security



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Navigation Select	Actuation Force	Contact Material	Termination	Price Each		
							1	25	50
611-TPA511GLFS	TPA511GLFS	L	Scanning 4 directions with selection	1.8N scanning, 4N section	Silver	Gulling			

ALPS SDDE SERIES: POWER SWITCH WITH ENCODER

- Two shafts are combined
Center shaft : Push switch (Unlatching)
Outside shaft : Encoder
- Zero standby power consumption is available by auto-off function with relay movement due to built-in both AC and DC contact in the push switch

- Both pulse and absolute output are available for the installed encoder
- Applications include Dryer, Micro wave oven, IH cooking heater, and Washing machine

NEW!
TECHNOLOGY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Current Rating	Voltage (V)	Style	Price Each			
						1	25	50	100
688-SDDE1C0101	SDDE1C0101	A	20mA	12	SMD/SMT				

ALPS EC35A/EC35AH SERIES: LOW PROFILE RING TYPE ENCODER

- 2-phase incremental type encoder for general use
- Low-profile design with a 4.5mm body height
- Devices such as switches and LEDs can be mounted into its center therefore contributing to the final set's flexibility of design
- Good operation feeling and less shaft wobble

- Applications include volume control and function change for car AV equipment and navigation systems; temperature control for HVACs; menu selection for home appliances such as washing machines and microwave ovens; and other applications

NEW!
PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Actual Length	Detent Torque	No. of Detents	Price Each			
						1	25	50	100
688-EC35AH260502	EC35AH260502	B	25mm	30±15mN·m	30				
688-EC35AH120401	EC35AH120401	B	15mm	18±7mN·m	18				
688-EC35A1520402	EC35A1520402	B	20mm	18±7mN·m	30				

ALPS EC05E SERIES: 5MM SMD HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5VDC
- Operating Life: 100,000 cycles
- Tape and reel packaging

- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rating	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC05E1220202	EC05E1220202	C	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12				
688-EC05E1220203	EC05E1220203	D	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12				
688-EC05E1220401	EC05E1220401	E	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12				

ALPS EC09E SERIES: 9MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Operating Life: 15,000 cycles
- Incremental type

- Detent torque: 8±5mN·m
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC09E1524404	EC09E1524404	F	With	1.5mm	15	30				
688-EC09E1524405	EC09E1524405	F	With	0.5mm	15	30				

ALPS EC10E SERIES: 10MM HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5VDC
- Operating life: 100,000 cycles

- Incremental type
- Applications include controls for PC input devices (e.g., mouse), AV devices, and communication devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions "H"	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC10E1220505	EC10E1220505	G	7mm	5±3mN·m	12	24				
688-EC10E1220501	EC10E1220501	G	9mm	5±3mN·m	12	24				

ALPS EC11 SERIES: 11MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Operating life: 15,000 cycles
- Incremental type

- High precision
- Applications include controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch Travel	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC11B15202AA	EC11B15202AA	H	Without	---	15	30				
688-EC11E1530401	EC11E1530401	I	Without	---	15	0				
688-EC11E1820402	EC11E1820402	I	Without	---	18	36				
688-EC11B15242AF	EC11B15242AF	J	With	1.5mm	15	30				
688-EC11E15244B2	EC11E15244B2	I	With	1.5mm	15	30				
688-EC11E18244A5	EC11E18244A5	I	With	1.5mm	18	36				
688-EC11E09244AQ	EC11E09244AQ	I	With	1.5mm	18	9				

ALPS EC12E SERIES: 12MM INSULATED SHAFT ENCODERS

- Rating: 0.1A @ 12VDC
- Operating Life: 30,000 cycles
- Incremental type

- High precision
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions L (H) mm	Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC12E24204A8	EC12E24204A8	K	15 (7)	Without	24	24				
688-EC12E24204A9	EC12E24204A9	K	25 (12)	Without	24	24				
688-EC12E24204A2	EC12E24204A2	K	10 (7)	Without	24	24				
688-EC12E1220405	EC12E1220405	K	25 (12)	Without	12	12				
688-EC12E1220406	EC12E1220406	K	20 (7)	Without	12	12				
688-EC12E1220407	EC12E1220407	K	15 (7)	Without	12	12				
688-EC12E2420802	EC12E2420802	L	20 (7)	Without	24	24				
688-EC12E2420801	EC12E2420801	L	25 (12)	Without	24	24				

ALPS SRGP HOLLOW SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles

- Applications include automotive navigation systems, audio systems, LCD monitors, general electronic devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Output Code	Holder	No. of Detents	Price Each			
							1	25	50	100
688-SRGP200200	SRGP200200	M	7±3mN·m	10	-----	20				
688-SRGPWJ0500	SRGPWJ0500	N	13±4mN·m	16	-----	16				
688-SRGPWJ0200	SRGPWJ0200	N	6.5±4mN·m	16	-----	32				

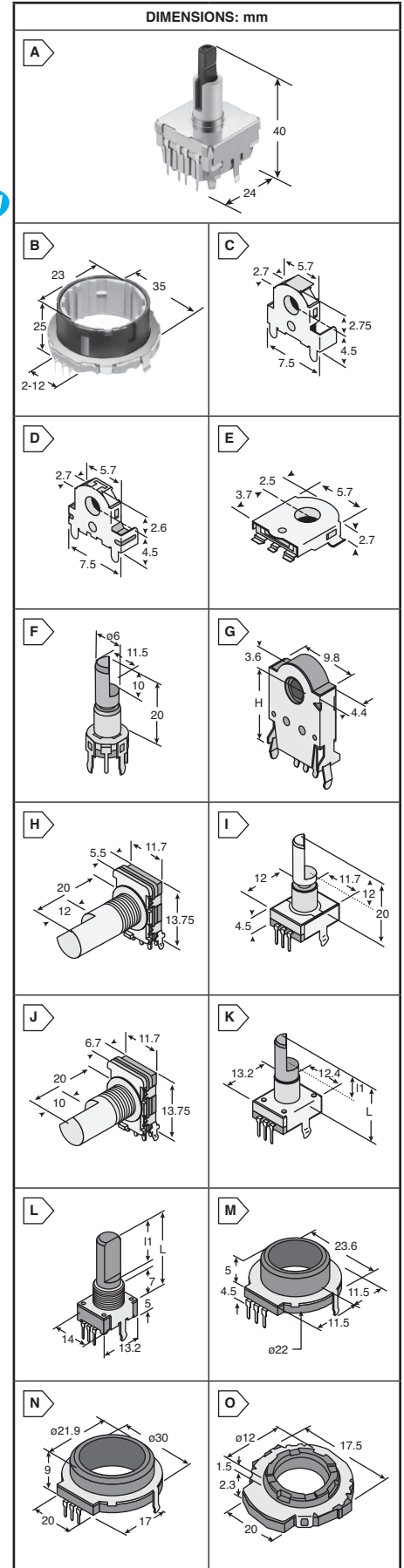
ALPS SRGP30 HOLLOW SHAFT SURFACE MOUNT ENCODER

- Tact switch in the hollow
- Rating: 10mA @ 5VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles

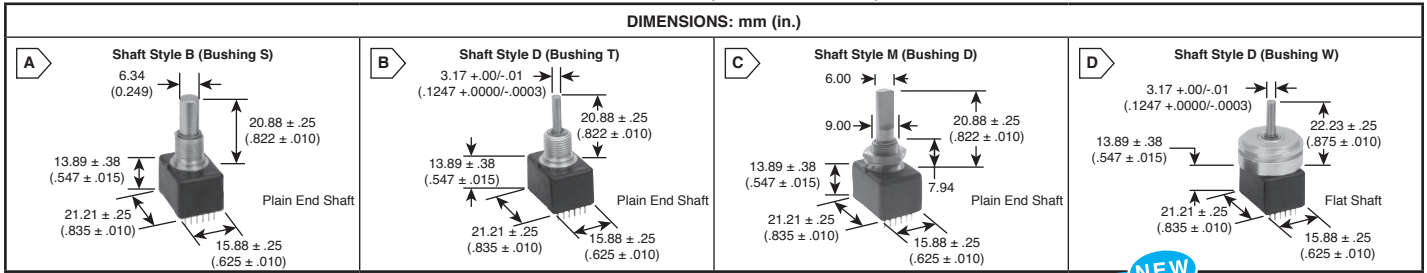
- Applications include operation of mobile phones, switching modes for automotive audio systems, operation of cameras, headphones, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Output Code	No. of Detents	Price Each			
						1	25	50	100
688-SRGP300100	SRGP300100	O	5±2.5mN·m	9	18				



DIMENSIONS: mm (in.)



SERIES EMS22: NON-CONTACTING MAGNETIC ENCODER WITH HALL EFFECT SENSORS

NEW PRODUCT

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Shaft Length	Supply Voltage	Price Each	
						1	10
652-EMS22A30-C28-LS6	EMS22A30-C28-LS6	A	C	7/8	3.3VDC		
652-EMS22A30-C28-MS6	EMS22A30-C28-MS6	A	B	7/8	3.3VDC		
652-EMS22A50-B28-LS6	EMS22A50-B28-LS6	A	C	7/8	5VDC		
652-EMS22A50-C20-LS6	EMS22A50-C20-LS6	A	C	7/8	5VDC		
652-EMS22A50-D16-LT6	EMS22A50-D16-LT6	B	D	1/2	5VDC		
652-EMS22A50-D28-LT6	EMS22A50-D28-LT6	B	D	7/8	5VDC		
652-EMS22A50-M25-LD6	EMS22A50-M25-LD6	C	M	25mm	5VDC		
652-EMS22D31-B28-LS2	EMS22D31-B28-LS2	A	B	7/8	3.3VDC		
652-EMS22D31-D28-LT2	EMS22D31-D28-LT2	B	D	7/8	3.3VDC		
652-EMS22D51-B28-LS5	EMS22D51-B28-LS5	A	B	7/8	5VDC		

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Shaft Length	Supply Voltage	Price Each	
						1	10
652-EMS22D51-D28-LT5	EMS22D51-D28-LT5	B	D	7/8	5VDC		
652-EMS22P50-B28-LS6	EMS22P50-B28-LS6	A	B	7/8	5VDC		
652-EMS22P50-D28-LT6	EMS22P50-D28-LT6	B	D	7/8	5VDC		
652-EMS22Q31-B28-LS3	EMS22Q31-B28-LS3	A	B	7/8	3.3VDC		
652-EMS22Q31-B28-LS4	EMS22Q31-B28-LS4	A	B	7/8	3.3VDC		
652-EMS22Q33-D28-LT4	EMS22Q33-D28-LT4	B	D	7/8	3.3VDC		
652-EMS22Q51-B28-LS4	EMS22Q51-B28-LS4	A	B	7/8	5VDC		
652-EMS22Q51-C28-LS4	EMS22Q51-C28-LS4	A	C	7/8	5VDC		
652-EMS22Q51-D28-LT4	EMS22Q51-D28-LT4	B	D	7/8	5VDC		
652-EMS22Q51-D28-LW4	EMS22Q51-D28-LW4	D	D	7/8	5VDC		

9MM INCREMENTAL ENCODERS

PEC09 Series

Features:

- Push switch option
- Compact, rugged design
- High reliability
- Metal bushing/shaft

Applications:

- Level control, tuning and timer settings in:
- Audio-visual equipment
 - Consumer electric appliances
 - Environmental controls
 - Musical instrumentation
 - Communications equipment

* Refer to data sheet for dimensions

MOUSER STOCK NO.	Bourns Part No.	Fig.	Switch	Detents	Price Each		
					1	5	10
652-PEC092020F-S0015	PEC09-2020F-S0015	E	Y	0			
652-PEC092025K-N0015	PEC09-2025K-N0015	E	N	0			
652-PEC092120F-S0012	PEC09-2120F-S0012	E	Y	12			
652-PEC092125K-N0012	PEC09-2125K-N0012	E	N	12			
652-PEC092220F-S0012	PEC09-2220F-S0012	E	Y	24			
652-PEC092225K-N0012	PEC09-2225K-N0012	E	N	24			
652-PEC092320F-S0015	PEC09-2320F-S0015	E	Y	30			
652-PEC092325K-N0015	PEC09-2325K-N0015	E	N	30			

12MM INCREMENTAL ENCODERS

PEC11 & PEC11S Series

Features:

- Push switch option
- Compact, rugged design
- High reliability
- Metal bushing/shaft

Applications:

- Level control, tuning and timer settings in:
- Audio-visual equipment
 - Consumer electric appliances
 - Radios
 - Musical instrumentation
 - Communications equipment

PEC11 Series					
MOUSER STOCK NO.	Bourns Part No.	Fig.	Switch	Detents	Price Each
652-PEC11-4015F-N0024	PEC11-4015F-N0024	F	N	0	
652-PEC11-4020F-S024	PEC11-4020F-S024	F	Y	0	
652-PEC11-4115F-S18	PEC11-4115F-S0018	F	Y	18	
652-PEC11-4125F-N18	PEC11-4125F-N0018	F	N	18	
652-PEC11-4125F-S18	PEC11-4125F-S0018	F	Y	18	
652-PEC11L4220F-S0015	PEC11L-4220F-S0015	F	Y	30	
652-PEC11-4215F-S24	PEC11-4215F-S0024	F	Y	24	
652-PEC11-4215K-S12	PEC11-4215K-S0012	F	Y	24	
652-PEC11-4220F-N12	PEC11-4220F-N0012	F	N	24	
652-PEC11-4220F-N24	PEC11-4220F-N0024	F	N	24	
652-PEC11-4220F-S12	PEC11-4220F-S0012	F	Y	24	
652-PEC11-4220F-S24	PEC11-4220F-S0024	F	Y	24	
652-PEC11-4225F-S24	PEC11-4225F-S0024	F	Y	24	
652-PEC11-4225F-S24	PEC11-4225F-S0024	F	Y	24	
652-PEC11-4230F-S0012	PEC11-4230F-S0012	F	Y	24	
652-PEC11-4230F-S24	PEC11-4230F-S0024	F	Y	24	
652-PEC11L4125K-N0020	PEC11L-4125K-N0020	F	N	24	

PEC11S Series SMD					
MOUSER STOCK NO.	Bourns Part No.	Fig.	Switch	Detents	Price Each
652-PEC11S9213K-S0015	PEC11S-9213K-S0015	G	Y	2	
652-PEC11S9215K-H0015	PEC11S-9215K-H0015	G	Y	2	
652-PEC11S9215K-N0015	PEC11S-9215K-N0015	G	N	2	
652-PEC11S9220F-S0015	PEC11S-9220F-S0015	G	Y	2	
652-PEC11S9220K-S0015	PEC11S-9220K-S0015	G	Y	2	
652-PEC11S929K-H0015	PEC11S-929K-H0015	G	Y	2	
652-PEC11S929K-N0015	PEC11S-929K-N0015	G	N	2	
652-PEC11S929K-S0015	PEC11S-929K-S0015	G	Y	2	

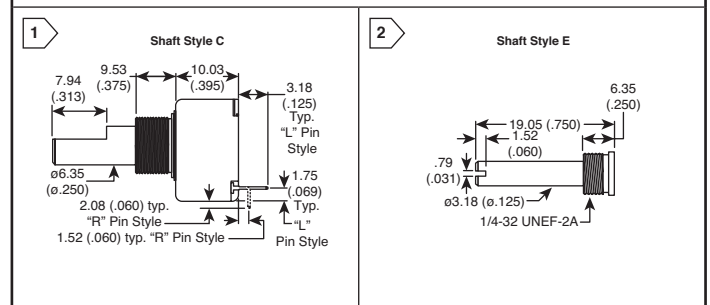
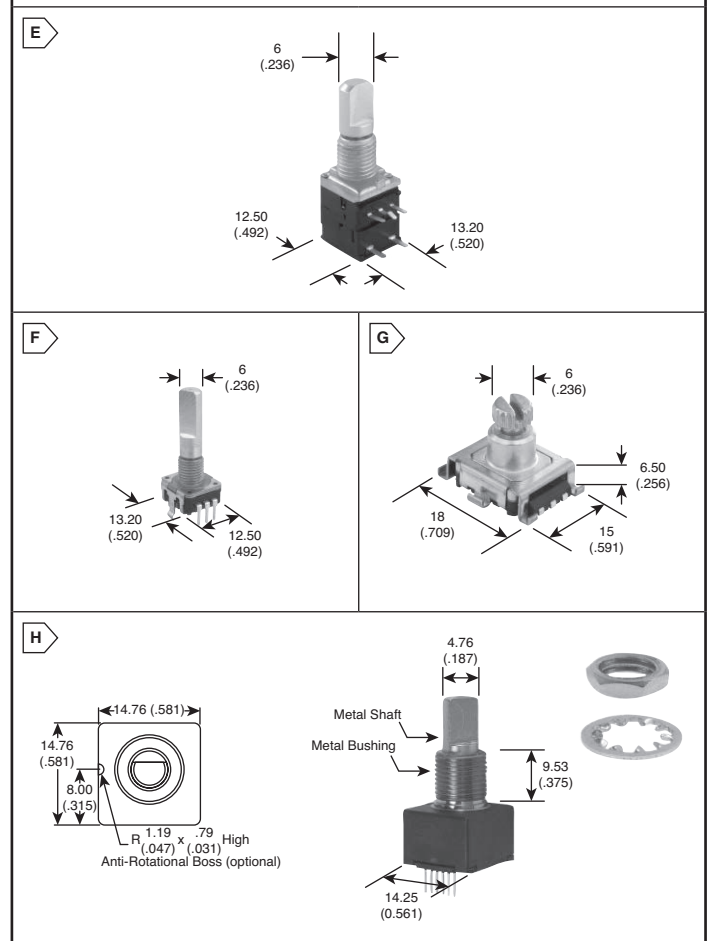
14MM ROTARY OPTICAL ENCODER WITH SWITCH

Features:

- RoHS compliant*
- HCMOS, CMOS and TTL compatible
- Compact package size
- High rotational cycle life
- Standard or high force push switch option
- Optional detent

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Pulses/Rev.	Price Each		
					1	5	25
652-EM14A0D-C24-L08N	EM14A0D-C24-L08N	H1	C	8			
652-EM14A0D-C24-L32N	EM14A0D-C24-L032N	H1	C	32			
652-EM14A0D-C24-L64N	EM14A0D-C24-L064N	H1	C	64			
652-EM14C0D-E24-L16S	EM14C0D-E24-L016S	H2	E	16			
652-EM14C0D-E24-L32S	EM14C0D-E24-L032S	H2	E	32			
652-EM14C0D-E24-L64S	EM14C0D-E24-L064S	H2	E	64			

DIMENSIONS: mm (in.)



BOURNS Encoders

BOURNS® 16MM INCREMENTAL ENCODERS

Specifications:

- Electrical-
- Output: 2-bit gray code
 - Closed Circuit Resistance: 3Ω Max.
 - Contact Rating: 1 mA @ 5 VDC
 - Insulation Resistance: 10 megohms @ 50VDC
 - Electrical Travel: Cont.
 - Contact Bounce (15RPM): 5.0ms. Max.
 - RPM (Operating): 100 Max.

Environmental

- Operating Temperature Range: -30°C to +70°C (-22°F to +158°F)
- Rotational Life: 100,000 cycles min.
- Switch Life: 20,000 cycles min.
- IP Rating: IP 40

Switch-

- Switch Type: Contact Push ON Momentary SPST
- Power Rating (Resistive Load): 10mA at 5V DC
- Switch Travel: 0.5±0.4/-0.3mm
- Switch Actuation Force: 360±153/-102gf (5±2/-1.4 oz.-1n.)

Features:

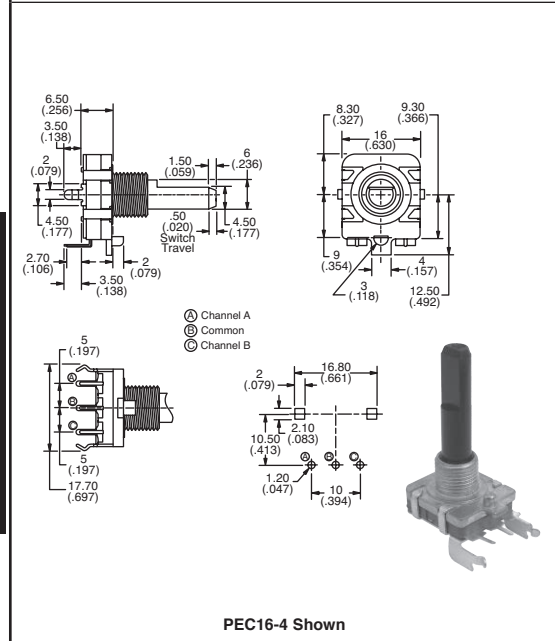
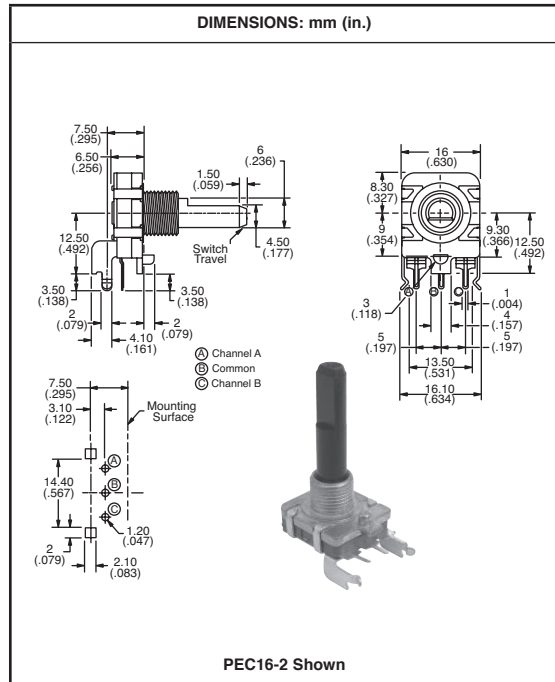
- Compact design, long life and high reliability
- Low cost compared to optical type encoders
- Available in a wide variety of configurations to meet many user requirements

Applications:

- Level control, tuning and timer settings in:
- Audio-visual equipment
 - Consumer electric appliances
 - Radios
 - Musical instrumentation
 - Communications equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Switch	Detents	Shaft Length	Terminal Config.	Price Each			
						1	25	50	100
652-PEC16-2015FS0012	PEC16-2015F-S0012	Y	0	15	2				
652-PEC16-2015FS0024	PEC16-2015F-S0024	Y	0	15	2				
652-PEC16-2020FS0012	PEC16-2020F-S0012	Y	0	20	2				
652-PEC16-2020FS0024	PEC16-2020F-S0024	Y	0	20	2				
652-PEC16-2115FN0012	PEC16-2115F-N0012	N	12	15	2				
652-PEC16-2115FS0012	PEC16-2115F-S0012	Y	12	15	2				
652-PEC16-2120FN0012	PEC16-2120F-N0012	N	12	20	2				
652-PEC16-2120FS0012	PEC16-2120F-S0012	Y	12	20	2				
652-PEC16-2125FN0012	PEC16-2125F-N0012	N	12	25	2				
652-PEC162130F-N0012	PEC16-2130F-N0012	N	12	30	2				
652-PEC16-2215FN0024	PEC16-2215F-N0024	N	24	15	2				
652-PEC16-2215FS0024	PEC16-2215F-S0024	Y	24	15	2				
652-PEC16-2220FN0024	PEC16-2220F-N0024	N	24	20	2				
652-PEC16-2220FS0012	PEC16-2220F-S0012	Y	24	20	2				
652-PEC16-2220FS0024	PEC16-2220F-S0024	Y	24	20	2				
652-PEC16-2225FN0024	PEC16-2225F-N0024	N	24	25	2				
652-PEC16-2230FN0024	PEC16-2230F-N0024	N	24	30	2				
652-PEC16-4015FN0024	PEC16-4015F-N0024	N	0	15	4				
652-PEC164015F-S0024	PEC16-4015F-S0024	Y	0	15	4				
652-PEC16-4020FN0012	PEC16-4020F-N0012	N	0	20	4				
652-PEC16-4020FN0024	PEC16-4020F-N0024	N	0	20	4				
652-PEC164020F-S0012	PEC16-4020F-S0012	Y	0	20	4				
652-PEC16-4020FS0024	PEC16-4020F-S0024	Y	0	20	4				
652-PEC16-4025FN0024	PEC16-4025F-N0024	N	0	25	4				
652-PEC16-4115FN0012	PEC16-4115F-N0012	N	12	15	4				
652-PEC164115F-S0012	PEC16-4115F-S0012	Y	12	15	4				
652-PEC16-4120FN0012	PEC16-4120F-N0012	N	12	20	4				
652-PEC16-4120FS0012	PEC16-4120F-S0012	Y	12	20	4				
652-PEC16-4125FN0012	PEC16-4125F-N0012	N	12	25	4				
652-PEC164130F-N0012	PEC16-4130F-N0012	N	12	30	4				
652-PEC16-4215FN0024	PEC16-4215F-N0024	N	24	15	4				
652-PEC16-4215FS0024	PEC16-4215F-S0024	Y	24	15	4				
652-PEC16-4220FN0024	PEC16-4220F-N0024	N	24	20	4				
652-PEC16-4220FS0024	PEC16-4220F-S0024	Y	24	20	4				
652-PEC16-4220FS0012	PEC16-4220F-S0012	Y	24	20	4				
652-PEC16-4225FN0024	PEC16-4225F-N0024	N	24	25	4				
652-PEC16-4230FN0024	PEC16-4230F-N0024	N	24	30	4				



BOURNS® SHAFTLESS 20MM DIGITAL ENCODER

Specifications:

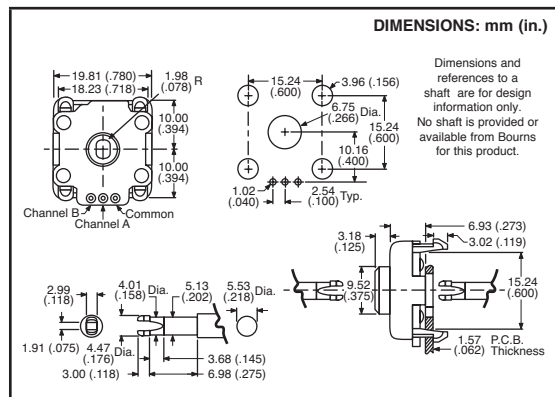
- Rotational Life: 30k cycles
- Electrical Output: 2-bit gray code quadrature output
- Operating Temperature: +1°C to +85°C

Features:

- Snap in bracket design
- FR4 element design
- Long operating life
- Optional detents

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Detents	Pulses/Rev.	Price Each					
				1	5	10	25	50	100
652-ESD0D-S00-GE0006	ESD0D-S00-GE0006	0	6						
652-ESD0D-S00-GE0024	ESD0D-S00-GE0024	0	24						
652-ESD0D-S00-GC0006	ESD0D-S00-GC0006	24	6						



BLUE SERIES PUSHBUTTON SWITCHES

Features:

- Miniature snap acting pushbutton
- Tactile and audible feedback
- Wire lug or PC board terminals
- Single Pole - Double Throw Configuration (Pole-Throw)
- Contact Rating = 0.4VA

Applications:

- Industrial equipment
- Medical equipment
- Instrumentation
- Communication equipment
- Control equipment



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Contact Form	Switch Function	Terminal	Price Each		
						1	25	50
506-MPS1004D	MPS1004D	A	SPDT	On/On	Wire Lug			
506-MPS1004F	MPS1004F	A	SPDT	On/(On)	Wire Lug			
506-MPS1004DPC	MPS1004DPC	A	SPDT	On/On	PC			
506-MPS1004FPC	MPS1004FPC	A	SPDT	On/(On)	PC			

MSP3/MSPS SERIES: PANEL MOUNT PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Thermoplastic
- Contact material: Silver plate over copper alloy
- Terminal material: Silver plate
- Case material: Thermoplastic
- Contact rating: MSP = 3A @ 125 VAC; MSPS = 0.5A @ 125VAC
- Operating force: Single pole = 7-14oz. Double pole = 14-25oz.
- Contact timing: Break-before-make
- Contact resistance: 100mΩ max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Cap Color	Price Each		
						1	25	50
506-MSP103B04	MSP103B04	B	SPST	Normally Closed	Black			
506-MSP103C004	MSP103C004	B	SPST	Normally Open	Black			
506-MSPS103B	MSPS103B	C	SPST	Normally Closed	Black			
506-MSPS103C	MSPS103C	C	SPST	Normally Open	Red			
506-MSPS103C0	MSPS103C0	C	SPST	Normally Open	Black			

MSPM SERIES: HERMETICALLY SEALED PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Polyamide
- Contact material: Gold
- Case material: Steel
- Contact rating: 1.0VA
- Operating force: 4-7oz.
- Life expectancy: 5 million cycles @ 0.1VA
- Contact resistance: 100mΩ max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Cap Color	Mount Type	Price Each		
							1	25	50
506-MSPM101C104	MSPM101C104	D	SPST	Normally Open	Red	Lug			
506-MSPM101C204	MSPM101C204	E	SPST	Normally Open	Red	Pin			

Accessories for MSPM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Description	Price Each		
				1	25	50
506-BP1440004	BP1440004	F	Black 1/4-40 boot seal for MSPM			
506-BPA1440004	BPA1440004	G	Black 1/4-40 boot seal for MSPM			
506-1825618-1	1825618-1	H	Black 1/4-40 seal adapter for MSPM			
506-C22004	C22004	I	Black snapfit cap for MSPM			
506-C23004	C23004	J	Black snapfit cap for MSPM			
506-C23204	C23204	J	Red snapfit cap for MSPM			
506-C23504	C23504	J	Green snapfit cap for MSPM			
506-G12A	G12A	K	Clear aluminum plain finish button guard for C220			
506-G12B	G12B	K	Black aluminum plain finish button guard for C220			
506-G12KA	G12KA	L	Clear aluminum knurled finish button guard for C220			
506-G12KB	G12KB	L	Black aluminum knurled finish button guard for C220			

TP SERIES: TINY PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Nylon
- Contact material: Gold over nickel barrier
- Terminal material: Tin lead plate
- Terminal seal: Epoxy
- Operating force: 50-400 grams
- Contact rating: 0.4VA @ 20VDC
- Contact timing: Break-before-make
- Contact resistance: 20mΩ max.
- Case: LCP, black UL94V-0

PC Mount

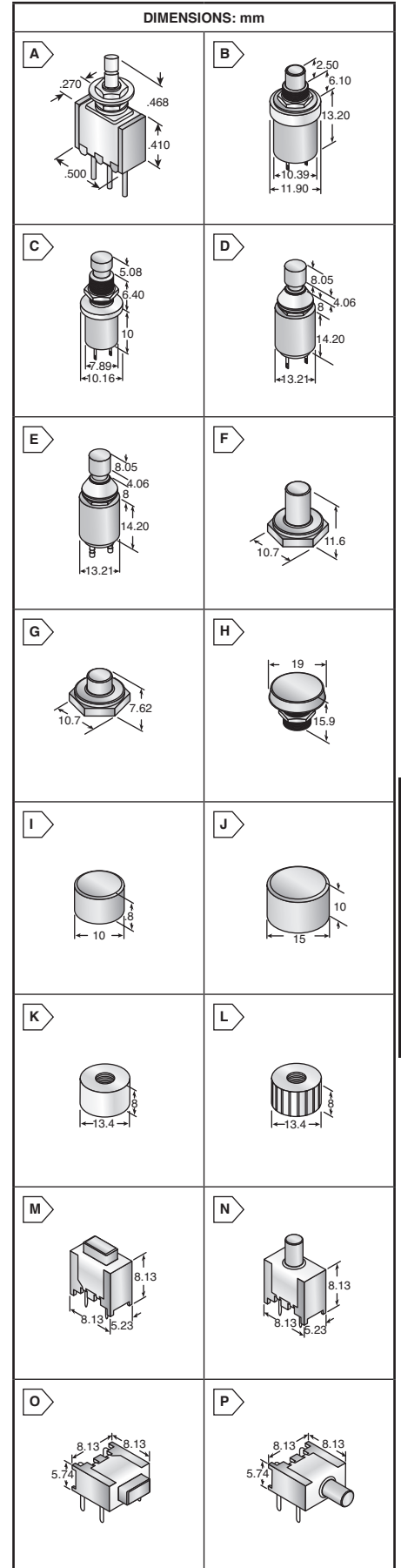
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Actuator Type/Color	Price Each		
					1	25	50
506-TP11CGPC004	TP11CGPC004	M	SPST N.O. Mom	Square/Black			
506-TP11CGPC204	TP11CGPC204	M	SPST N.O. Mom	Square/Red			
506-TPA11CGPC004	TPA11CGPC004	N	SPST N.O. Mom	Round/Black			
506-TPA11CGPC204	TPA11CGPC204	N	SPST N.O. Mom	Round/Red			

Right Angle Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Actuator Type/Color	Price Each		
					1	25	50
506-TP11CGRA004	TP11CGRA004	O	SPST N.O. Mom	Square/Black			
506-TP11CGRA204	TP11CGRA204	O	SPST N.O. Mom	Square/Red			
506-TPA11CGRA204	TPA11CGRA204	P	SPST N.O. Mom	Round/Red			
506-TPA11CGRA004	TPA11CGRA004	P	SPST N.O. Mom	Round/Black			



APEM Pushbutton Switches



This product is RoHS compliant.

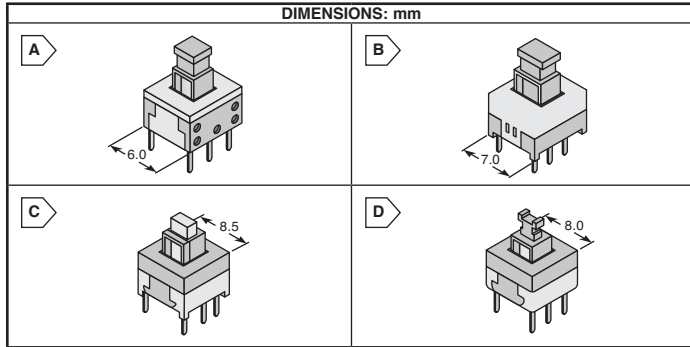
MHPS SERIES MINI KEY PUSHBUTTON SWITCHES

Specifications:

- DPDT
- Maintained action
- Non-shorting contacts
- Contact rating: 100mA @ 30VDC
- Dielectric withstanding voltage: 500VAC for 1 minute
- Contact resistance: 100mΩ max.

Materials:

- Case: PBT (model MHPS2266 only -Type 6/6 nylon)
- Cover: Acetal (model MHPS2266 only - Type 6/6 nylon)
- Actuator: Acetal
- Terminals: silver plated brass



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Height (mm)	Force (grms)	Price Each			
					1	25	100	500
642-MHPS2266	MHPS2266	A	14	140				
642-MHPS2273	MHPS2273	B	16	140				
642-MHPS2283	MHPS2283	C	17.5	180				
642-MHPS2285	MHPS2285	D	11	180				

IZ SERIES SEALED PUSHBUTTON SWITCHES

Specifications:

- Rear mounting for easier installation
- Latching action metals models
- Fixed or variable panel thickness
- Flat actuator for optional marking



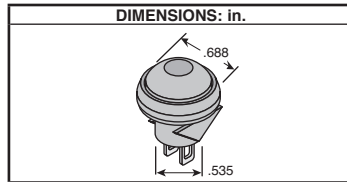
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apem Part No.	Function () Momentary	Price Each			
			1	25	100	500
642-IZMP1Z45NL0S	IZMP1Z45NL0S	Off - On				
642-IZNR1S42N	IZNR1S42N	Off-On				
642-IZNR3P422	IZNR3P422	Off-(On)				
642-IZPP1F462	IZPP1F462	Off-On				
642-IZPP3V272	IZPP3V272	Off-(On)				
642-IZPR3P462	IZPR3P462	Off-(On)				
642-IZPR3P422	IZPR3P422	Off-(On)				
642-IZPR3S422	IZPR3S422	Off-(On)				
642-IZPP3S432L0G	IZPP3S432L0G	Off-(On)				
642-IZPR1S462L0S	IZPR1S462L0S	Off-On				

IBR SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

Specifications:

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +85°C
- Contact resistance: 50mΩ max.
- Solder terminals



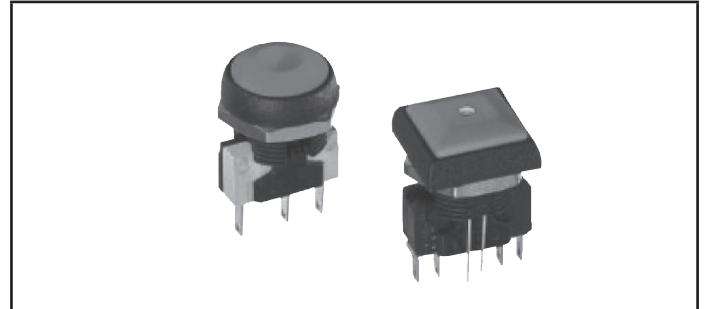
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Function () Momentary	Color	Price Each			
				1	25	100	500
642-IBR3SAD2	IBR3SAD2	Off-(On)	Black				
642-IBR3SAD3	IBR3SAD3	Off-(On)	Green				
642-IBR3SAD5	IBR3SAD5	Off-(On)	Yellow				
642-IBR3SAD6	IBR3SAD6	Off-(On)	Red				

IRR SERIES SEALED PUSHBUTTON SWITCHES

Specifications:

- Screw version up to 4A
- Tactile feedback
- Sealed to IP67
- Illuminated or non-illuminated
- Flat round actuator for optional marking



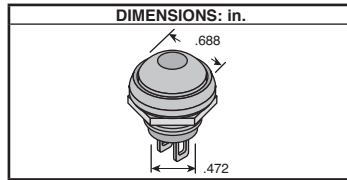
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apem Part No.	Function () Momentary	Price Each			
			1	25	100	500
642-IRR1S422L0S	IRR1S422L0S	On-Off				
642-IRR3S422000	IRR3S422000	Off-(On)				
642-IRR3S422L0S	IRR3S422L0S	Off-(On)				
642-IRR3V222000	IRR3V222000	Off-(On)				
642-IRR3F422000	IRR3F422000	Off-(On)				
642-IRR3F462000	IRR3F462000	Off-(On)				
642-IRR3V262000	IRR3V262000	Off-(On)				
642-IRR7Z232L0G	IRR7Z232L0G	Off-(On)				
642-IRR8Z222000	IRR8Z222000	On-Mom				
642-IRR8Z222L0S	IRR8Z222L0S	On-Mom				
642-IRR3F4B2	IRR3F4B2	Off-(On)				

ISR SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

Specifications:

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +125°C
- Contact resistance: 50mΩ max.
- Solder terminals



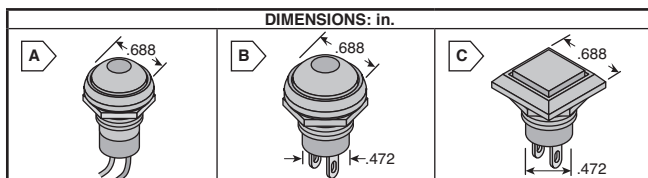
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apem Part No.	Function () Momentary	Color	Price Each			
				1	25	100	500
642-ISR3SAD2	ISR3SAD2	Off-(On)	Black				
642-ISR3SAD3	ISR3SAD3	Off-(On)	Green				
642-ISR3SAD5	ISR3SAD5	Off-(On)	Yellow				
642-ISR3SAD6	ISR3SAD6	Off-(On)	Red				

IPR SERIES PUSHBUTTON SWITCHES FOR HARSH ENVIRONMENTS

Specifications:

- Contact ratings: 500mA@48VAC, 200mA@50VAC, or 200mA@250VAC
- Operating temp. range: -40°C to +125°C
- Contact resistance: 50 mΩ max.
- Solder terminals



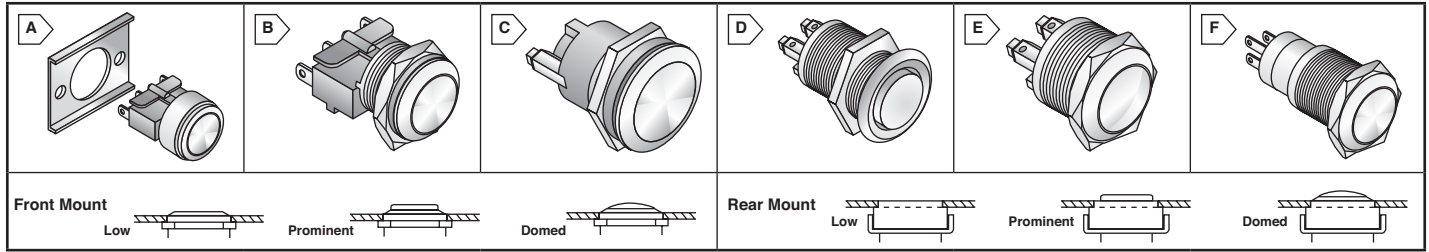
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function () Momentary	Color	Price Each			
					1	25	100	500
642-IPR3FAD3	IPR3FAD3	A	Off-(On)	Green				
642-IPR3FAD7/1	IPR3FAD7/1	A	Off-(On)	White				
642-IPR3FAD2L0S	IPR3FAD2L0S	B	Off-(On)	Black/Red LED				
642-IPR3FAD2L0G	IPR3FAD2L0G	B	Off-(On)	Black/Green LED				
642-IPR3SAD2	IPR3SAD2	B	Off-(On)	Black				
642-IPR3SAD3	IPR3SAD3	B	Off-(On)	Green				
642-IPR3SAD5	IPR3SAD5	B	Off-(On)	Yellow				
642-IPR3SAD6	IPR3SAD6	B	Off-(On)	Red				
642-IPC3SAD3	IPC3SAD3	C	Off-(On)	Green				
642-IPC3SAD5	IPC3SAD5	C	Off-(On)	Yellow				
642-IPC3SAD6	IPC3SAD6	C	Off-(On)	Red				
642-IPC3SAD9	IPC3SAD9	C	Off-(On)	Orange				

BULGIN Pushbutton Switches



RoHS Compliant This product is RoHS compliant.



BULGIN VANDAL-RESISTANT SWITCHES

Specifications:

- Contact Resistance: <15mΩ
- Insulation Resistance: >1000MΩ
- Stainless Steel Manufacturing
- Termination: Solder Lug or Screw Terminal

*117-MP0033 internally sealed against ingress of water and dust.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0034	MP0034	A	Low	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0031	MP0031	B	Low	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037	MP0037	C	Low	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0027	MP0027	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	None				
117-MP0038	MP0038	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0031/3	MP0031/3	B	Domed	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037/3	MP0037/3	C	Domed	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0025/3	MP0025/3	A	Domed	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0038/3	MP0038/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0034/2	MP0034/2	A	Prominent	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0031/2	MP0031/2	B	Prominent	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037/2	MP0037/2	C	Prominent	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0027/2	MP0027/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	None				
117-MP0038/2	MP0038/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0013	MP0013	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	None				
117-MP0033	MP0033	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	*				

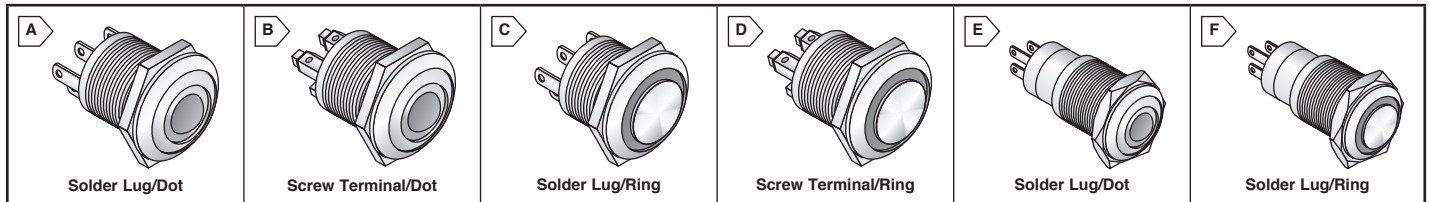
BULGIN 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES

Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- Dielectric Strength: >2.0K VAC
- 16mm dia. Mounting Hole
- Stainless Steel Manufacturing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0042/1	MP0042/1	E	Low	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0045/1D0NN000	MP0045/1D0NN000	F	Low	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E0NN000	MP0045/1E0NN000	F	Low	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0042/2	MP0042/2	E	Domed	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0042/3	MP0042/3	E	Prominent	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0045/3D0NN000	MP0045/3D0NN000	F	Prominent	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/3E0NN000	MP0045/3E0NN000	F	Prominent	18	DPCO	On-On	3A/250VAC	Front Panel	None				



BULGIN ILLUMINATED VANDAL-RESISTANT SWITCHES

Specifications:

- Contact Resistance: <100mΩ
- Insulation Resistance: >1000MΩ
- Operating Temperature: -30°C to +70°C
- Mechanical Operations: 750,000 min
- Electrical Operations: 35,000 min

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0045/1D1RD012	MP0045/1D1RD012	A	Red/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1GN012	MP0045/1D1GN012	E	Green/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1BL012	MP0045/1D1BL012	E	Blue/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E1RD012	MP0045/1E1RD012	E	Red/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1GN012	MP0045/1E1GN012	E	Green/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1BL012	MP0045/1E1BL012	E	Blue/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1D2RD012	MP0045/1D2RD012	F	Red/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2GN012	MP0045/1D2GN012	F	Green/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2BL012	MP0045/1D2BL012	F	Blue/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E2RD012	MP0045/1E2RD012	F	Red/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2GN012	MP0045/1E2GN012	F	Green/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2BL012	MP0045/1E2BL012	F	Blue/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				

BULGIN 16MM ILLUMINATED PUSHBUTTON SWITCHES

Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- 16mm dia. Mounting Hole
- Mechanical Operations: 200,000 min
- Electrical Operations: 30,000 min

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0045/1D1RD012	MP0045/1D1RD012	E	Red/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1GN012	MP0045/1D1GN012	E	Green/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1BL012	MP0045/1D1BL012	E	Blue/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E1RD012	MP0045/1E1RD012	E	Red/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1GN012	MP0045/1E1GN012	E	Green/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1BL012	MP0045/1E1BL012	E	Blue/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1D2RD012	MP0045/1D2RD012	F	Red/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2GN012	MP0045/1D2GN012	F	Green/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2BL012	MP0045/1D2BL012	F	Blue/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E2RD012	MP0045/1E2RD012	F	Red/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2GN012	MP0045/1E2GN012	F	Green/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2BL012	MP0045/1E2BL012	F	Blue/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				

C&K Pushbutton Switches



RoHS Compliant **This product is RoHS compliant.**

AP SERIES INDUSTRIAL PUSHBUTTON SWITCHES

Features:

- IP67 sealed
- Sealed against dirt and fluids, UV tolerant
- 1,000,000 life cycle
- Illumination / non-illumination
- Multiple colored caps
- Threaded or snap-in mounting
- SPST, normally open
- Termination styles: solder lug, PC terminals
- (non-illuminated only), or 12" wire leads (22 AWG)
- Caps can not be removed and don't spin after installation. Caps available in different colors and dome, concave, or extended dome.
- 2N and 4N operating force options

Applications:

- Harsh environments
- Off-Road transportation
- Automotive
- Marine
- Industrial
- Medical
- Transportation
- Joystick control modules, grips
- Gaming
- Food & Beverage
- Military
- Anywhere there are industrial/agricultural chemicals present (bases, hydrocarbons, various oils and fuels)

Non-Illuminated Industrial Pushbutton Switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Operating Force	Actuator Style	Actuator Color	Termination	Price Each			
						1	25	50	100
Snap-In									
611-AP2C300SZBE	AP2C300SZBE	2N	Concave	No Cap	Solder Lug				
611-AP4C300SZBE	AP4C300SZBE	4N	Concave	No Cap	Solder Lug				
611-AP2D200SWBE	AP2D200SWBE	2N	Dome/Convex	Black	Wire Lead				
611-AP2D200SZBE	AP2D200SZBE	2N	Dome/Convex	Black	Solder Lug				
611-AP2D300SZBE	AP2D300SZBE	2N	Dome/Convex	Red	Solder Lug				
611-AP4D200SWBE	AP4D200SWBE	4N	Dome/Convex	Black	Wire Lead				
611-AP4D200SZBE	AP4D200SZBE	4N	Dome/Convex	Black	Solder Lug				
611-AP4D300SZBE	AP4D300SZBE	4N	Dome/Convex	Red	Solder Lug				
611-AP2E200SWBE	AP2E200SWBE	2N	Extended Dome	Black	Wire Lead				
611-AP2E200SZBE	AP2E200SZBE	2N	Extended Dome	Black	Solder Lug				
611-AP2E300SZBE	AP2E300SZBE	2N	Extended Dome	Red	Solder Lug				
611-AP4E200SWBE	AP4E200SWBE	4N	Extended Dome	Black	Wire Lead				
611-AP4E200SZBE	AP4E200SZBE	4N	Extended Dome	Black	Solder Lug				
611-AP4E300SZBE	AP4E300SZBE	4N	Extended Dome	Red	Solder Lug				
611-AP2N000SZBE	AP2N000SZBE	2N	None	No Cap	Solder Lug				
611-AP4N000SWBE	AP4N000SWBE	4N	None	No Cap	Wire Lead				
611-AP4N000SZBE	AP4N000SZBE	4N	None	No Cap	Solder Lug				
Threaded									
611-AP2C300TZBE	AP2C300TZBE	2N	Concave	No Cap	Solder Lug				
611-AP4C300TZBE	AP4C300TZBE	4N	Concave	No Cap	Solder Lug				
611-AP2D200TZBE	AP2D200TZBE	2N	Dome/Convex	Black	Solder Lug				
611-AP2D300TZBE	AP2D300TZBE	2N	Dome/Convex	Red	Solder Lug				
611-AP2D200TWBE	AP2D200TWBE	2N	Dome/Convex	Black	Wire Lead				
611-AP4D200TZBE	AP4D200TZBE	4N	Dome/Convex	Black	Solder Lug				
611-AP4D300TZBE	AP4D300TZBE	4N	Dome/Convex	Red	Solder Lug				
611-AP4D200TWBE	AP4D200TWBE	4N	Dome/Convex	Black	Wire Lead				
611-AP2E200TZBE	AP2E200TZBE	2N	Extended Dome	Black	Solder Lug				
611-AP2E300TZBE	AP2E300TZBE	2N	Extended Dome	Red	Solder Lug				
611-AP2E200TWBE	AP2E200TWBE	2N	Extended Dome	Black	Wire Lead				
611-AP4E200TZBE	AP4E200TZBE	4N	Extended Dome	Black	Solder Lug				
611-AP4E300TZBE	AP4E300TZBE	4N	Extended Dome	Red	Solder Lug				
611-AP4E200TWBE	AP4E200TWBE	4N	Extended Dome	Black	Wire Lead				
611-AP2N000TZBE	AP2N000TZBE	2N	None	No Cap	Solder Lug				
611-AP4N000TZBE	AP4N000TZBE	4N	None	No Cap	Solder Lug				
611-AP4N000TWBE	AP4N000TWBE	4N	None	No Cap	Wire Lead				

Illuminated Industrial Pushbutton Switches

Option Code	Illumination Type	Typical Intensity		Peak Wavelength	Vf Forward Voltage
		Min.	Max.		
02	LED Bi-Color: Red (Green)	10	20	635/565	2.0
03	LED Red	4	8	700	2.0
06	LED Green	35	50	565	2.0
07	LED Super Blue	800	1500	470	3.8

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Operating Force	Actuator Style	Actuator Color	LED Color	Termination	Price Each			
							1	25	50	100
Snap-In										
611-AP2D202SZBE	AP2D202SZBE	2N	Dome/Convex	Black	Red(Green)	Solder Lug				
611-AP4D202SZBE	AP4D202SZBE	4N	Dome/Convex	Black	Red(Green)	Solder Lug				
611-AP2D207SZBE	AP2D207SZBE	2N	Dome/Convex	Black	Super Blue	Solder Lug				
611-AP4D207SZBE	AP4D207SZBE	4N	Dome/Convex	Black	Super Blue	Solder Lug				
611-AP4E206SZBE	AP4E206SZBE	4N	Extended Dome	Black	Green	Solder Lug				
611-AP2E202SZBE	AP2E202SZBE	2N	Extended Dome	Black	Red(Green)	Solder Lug				
611-AP4E202SZBE	AP4E202SZBE	4N	Extended Dome	Black	Red(Green)	Solder Lug				
611-AP2E207SZBE	AP2E207SZBE	2N	Extended Dome	Black	Super Blue	Solder Lug				
611-AP4E207SZBE	AP4E207SZBE	4N	Extended Dome	Black	Super Blue	Solder Lug				
611-AP2N006SZBE	AP2N006SZBE	2N	None	No Cap	Green	Solder Lug				
611-AP4N006SZBE	AP4N006SZBE	4N	None	No Cap	Green	Solder Lug				
611-AP2N003SZBE	AP2N003SZBE	2N	None	No Cap	Red	Solder Lug				
611-AP4N003SZBE	AP4N003SZBE	4N	None	No Cap	Red	Solder Lug				
611-AP2N002SZBE	AP2N002SZBE	2N	None	No Cap	Red(Green)	Solder Lug				
611-AP4N002SZBE	AP4N002SZBE	4N	None	No Cap	Red(Green)	Solder Lug				
611-AP2N007SZBE	AP2N007SZBE	2N	None	No Cap	Super Blue	Solder Lug				
611-AP4N007SZBE	AP4N007SZBE	4N	None	No Cap	Super Blue	Solder Lug				
611-AP4N007SWBE	AP4N007SWBE	4N	None	No Cap	Super Blue	Wire Lead				
Threaded										
611-AP2D202TZBE	AP2D202TZBE	2N	Dome/Convex	Black	Red(Green)	Solder Lug				
611-AP4D202TZBE	AP4D202TZBE	4N	Dome/Convex	Black	Red(Green)	Solder Lug				
611-AP2D207TZBE	AP2D207TZBE	2N	Dome/Convex	Black	Super Blue	Solder Lug				
611-AP4D207TZBE	AP4D207TZBE	4N	Dome/Convex	Black	Super Blue	Solder Lug				
611-AP2E202TZBE	AP2E202TZBE	2N	Extended Dome	Black	Red(Green)	Solder Lug				
611-AP4E202TZBE	AP4E202TZBE	4N	Extended Dome	Black	Red(Green)	Solder Lug				
611-AP2E207TZBE	AP2E207TZBE	2N	Extended Dome	Black	Super Blue	Solder Lug				
611-AP4E207TZBE	AP4E207TZBE	4N	Extended Dome	Black	Super Blue	Solder Lug				
611-AP2N006TZBE	AP2N006TZBE	2N	None	No Cap	Green	Solder Lug				
611-AP4N006TZBE	AP4N006TZBE	4N	None	No Cap	Green	Solder Lug				
611-AP2N003TZBE	AP2N003TZBE	2N	None	No Cap	Red	Solder Lug				
611-AP4N003TZBE	AP4N003TZBE	4N	None	No Cap	Red	Solder Lug				
611-AP2N002TZBE	AP2N002TZBE	2N	None	No Cap	Red(Green)	Solder Lug				
611-AP4N002TZBE	AP4N002TZBE	4N	None	No Cap	Red(Green)	Solder Lug				
611-AP2N007TZBE	AP2N007TZBE	2N	None	No Cap	Super Blue	Solder Lug				
611-AP4N007TZBE	AP4N007TZBE	4N	None	No Cap	Super Blue	Solder Lug				

Actuator Styles
DIMENSIONS: mm (in.)

Dome/Convex

Extended Dome

Concave

Bushing Styles
DIMENSIONS: mm (in.)

Snap-In No Illumination

Snap-In With Illumination

Threaded No Illumination

Threaded With Illumination

C&K Pushbutton Switches



RoHS Compliant This page of product is compliant.

C&K ELUM SERIES: RIGHT ANGLE ILLUMINATED LATCHING PUSHBUTTON SWITCHES

Specifications:

- Fixed contacts and terminals: Stainless steel, silver plated with gold flash (STD)
- Movable contacts: Copper alloy, silver plated with gold flash (STD)
- Base: Glass filled LCP (UL94V-0)
- Actuator: Glass filled nylon 4/6 (UL94V-0)
- Cover: Stainless steel
- Maximum power: 3.5VA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Contact Form	Illumination	Contact Material	Price Each			
Mfr.	Mfr. Part No.					1	25	50	100
Right-Angle Surface Mount									
611	ELUMEEA02C12ST	A	SPDT	Red (Green)	Q				
611	ELUMEEA03C12ST	A	SPDT	Red	Q				
611	ELUMEEA06C22ST	A	SPDT	Green	Q				
611	ELUMEEA07C12ST	A	SPDT	Blue	Q				
611	ELUMEEA07C22ST	A	SPDT	Blue	Q				
611	ELUMEEA0C02ST	A	SPDT	None	Q				
611	ELUMOASAQ2C12ST	B	SPDT	Red (Green)	Q				
611	ELUMOASAQ6C22ST	B	SPDT	Green	Q				
611	ELUMOASAQ7C22ST	B	SPDT	Blue	Q				
611	ELUMOASAQC02ST	B	SPDT	None	Q				
Right-Angle PC Thru-Hole									
611	ELUMEETHQ2C12	A	SPDT	Red (Green)	Q				
611	ELUMEETHQ3C12	A	SPDT	Red	Q				
611	ELUMEETHQ6C12	A	SPDT	Green	Q				
611	ELUMEETHQ6C22	A	SPDT	Green	Q				
611	ELUMEETHQ7C12	A	SPDT	Blue	Q				
611	ELUMEETHQ7C22	A	SPDT	Blue	Q				
611	ELUMEETHQ02	A	SPDT	None	Q				
611	ELUMOATHQ2C12	B	SPDT	Red (Green)	Q				
611	ELUMOATHQ3C12	B	SPDT	Red	Q				
611	ELUMOATHQ6C12	B	SPDT	Green	Q				
611	ELUMOATHQ6C22ST	B	SPDT	Green	Q				
611	ELUMOATHQ7C12	B	SPDT	Blue	Q				
611	ELUMOATHQ7C22	B	SPDT	Blue	Q				
611	ELUMOATHQ02	B	SPDT	None	Q				

C&K F SERIES: PUSHBUTTON SWITCHES

Specifications:

- Switching power: F module max. AC/DC: Silver: 50VA/15W, Gold: 1VA/300mW
- Switching voltage: F module max. AC/DC: Silver: 125/30V, Gold 50/30V
- Switching current: F module max. AC/DC: Silver: 0.5A/0.5A, Gold: 0.04A/0.01A

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		C&K Part No.	Fig.	Contact Form	Illumination	Contact Material	Price Each			
Mfr.	Mfr. Part No.						1	25	50	100
611	F2JEE	F2JEE	C	2PDT	Push-Push	Silver				
611	F2JEEAU	F2JEEAU	D	2PDT	Push-Push	Gold				
611	F2JQA	F2JQA	D	2PDT	Momentary	Silver				
611	FL2JUEETB	FL2JUEETB	D	2PDT	Push-Push	Silver				
611	F4JEE	F4JEE	C	4PDT	Push-Push	Silver				
611	F8JEE	F8JEE	D	8PDT	Push-Push	Silver				
611	F4JEEAU	F4JEEAU	D	4PDT	Push-Push	Gold				
611	F4JQA	F4JQA	D	4PDT	Momentary	Silver				
611	100100-2019	1XSF 2U P EE 3111000308	-	2PDT	Push-Push	Silver				
611	100100-4004	1XSF 4U EE	-	4PDT	Push-Push	Silver				
611	100100-7152	ZFA FA200 GY GN 2U EE	-	Central	Mt PB	Silver				
611	170100-2506	1XNE18CTII 2A EE	-	Alternate	Push-Push	Silver				

C&K NE-18 SERIES: MAIN/POWER SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Contact Form	Illumination	Contact Material	Price Each			
Mfr.	Mfr. Part No.					1	25	50	100
611	NE18CTII2AEE4AMP	E	DPST	Alternate (push - push)	Silver				

C&K PHA SERIES: SHORT STROKE PUSHBUTTON SWITCHES

Specifications:

- Switching power max.: 3W DC
- Switching voltage max.: 30V DC
- Switching current max.: 100mA DC
- Operating life: Impulse/momentary (OA): ^ 104 operations
- Capacitance: %1.5pF
- Contact bounce: %2ms
- Operating speed: 200mm/s (7.87 inch/s)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Contact Arrangement	Mechanical Function	Operating Force	Price Each			
Mfr.	Mfr. Part No.					1	25	50	100
611	PHA2JEE	D	2 Changeovers	Push-Push	170CN±50CN				
611	PHA4JEE	F	4 Changeovers	Push-Push	230CN±70CN				
611	PHA4JQA	F	4 Changeovers	Momentary	230CN±70CN				

C&K PN SERIES: ALTERNATE & MOMENTARY ACTION PUSHBUTTON SWITCHES

Specifications:

- Contact rating: 0.2AMP @ 30V DC max
- Electrical life: 10,000 make-and-break cycles at full load
- Mechanical life: 10,000 on/off cycles
- Operating/storage temp.: -10°C to 60°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Contact Form	Actuator	Supply Voltage	Price Each			
Mfr.	Mfr. Part No.					1	25	100	250
611	PN11SHNA03QE	G	SPDT	Momentary	230g				
611	PN12SHNA03QE	G	SPDT	Locking	230g				
611	PN11SBNA03QE	H	SPDT	Momentary	120g				
611	PN21SBNA03QE	H	DPDT	Momentary	120g				
611	PN21LENA03QE	H	DPDT	Momentary	300g				
611	PN21SJNA03QE	H	DPDT	Momentary	330g				
611	PN22LENA03QE	H	DPDT	Locking	300g				
611	PN22SJNA03QE	H	DPDT	Locking	330g				
611	PN41LENA02QE	I	4PDT	Momentary	300g				
611	PN42LENA02QE	I	4PDT	Locking	300g				

C&K PS SERIES: MINIATURE PUSHBUTTON SWITCHES

Features:

- 10,000 to 20,000 cycles



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		C&K Part No.	Fig.	Contact Form	Actuator	Supply Voltage	Price Each		
Mfr.	Mfr. Part No.						1	25	100
611	PS-12G01	PS-12G01	J	SPDT	Round	14VDC			
611	PS-2206-LNS	PS-2206-L NS	K	SPDT	Plunger with Cap	30VDC			
611	PS-2214-LNSPA	PS-2214-L NS PA	L	DPDT	Square	30VDC			

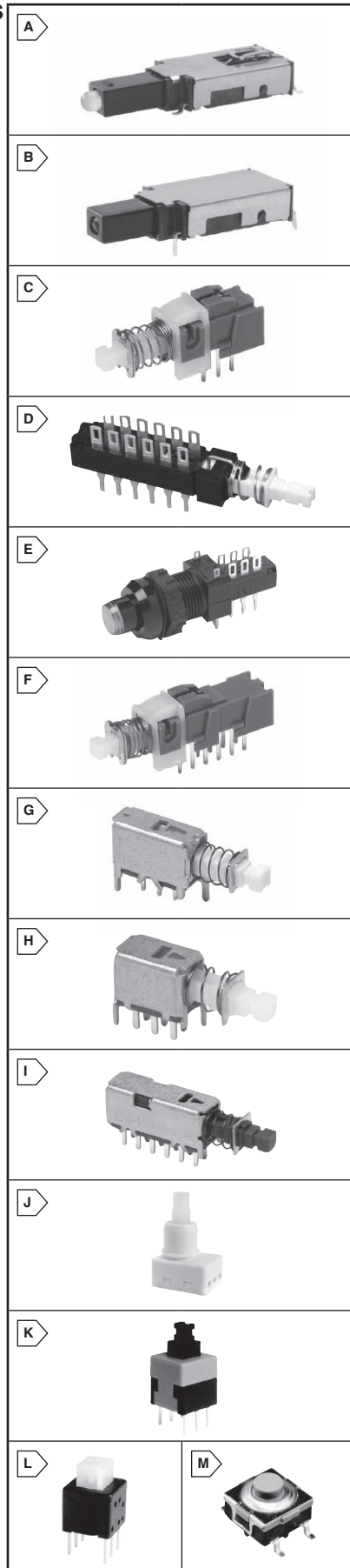
C&K PWR SERIES: POWER PUSHBUTTON

Features/Benefits:

- Movable contact with redundant high power contact points to form a momentary, SPST, double break switch
- Rubber actuator provides sealing and tactile feel
- Small SMT packaging allows applications to integrate power and signal switch on same PCB
- IP65 • UL 61058

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		C&K Part No.	Fig.	Contact Form	Illumination	Contact Material	Price Each		
Mfr.	Mfr. Part No.						1	25	100
611	PWR70Q1SR	PWR70Q1SR	M	SPST	None	Polyphenylene Sulfide (PPS)			
611	PWR70Q2SR	PWR70Q2SR	M	SPST	None	Polyphenylene Sulfide (PPS)			



C&K Pushbutton Switches



C&K EP SERIES: SEALED TINY PUSHBUTTON SWITCHES

- Features:**
- Epoxy sealed against solder & cleaning processes
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
K - Are with SN/PB
P - Cu alloy, with Au plate over Ni plate, matte tin plate terminal
 - Contact rating: B & P - 0.4VA @ 20VAC or DC max.
 - Plunger material: Thermoplastic polyester or glass filled nylon (UL94V-0) with o-ring seal
 - IP67 degree of protection

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-EP11-003	EP11SD1CBE	A	SPST	(On)-Off	B				
611-EP12-003	EP12SD1CBE	A	SPDT	(On)-On	B				
611-EP21-003	EP21SD1CBE	B	DPST	(On)-Off	B				
Right-Angle PC Thru-Hole									
611-EP11-001	EP11SD1ABE	C	SPST	(On)-Off	B				
611-EP11-002	EP11SD1AVBE	D	SPST	(On)-Off	B				
611-EP12-001	EP12SD1ABE	C	SPDT	(On)-On	B				
611-EP12-011	EP12SD1AVBE	D	SPDT	(On)-On	B				
611-EP11S2D1ABE	EP11S2D1ABE	E	SPST	Off-(On)	B				
611-EP21-001	EP21SD1ABE	F	DPST	(On)-Off	B				
Right-Angle Surface Mount									
611-EP11-004	EP11SD1SAKE	G	SPST	(On)-Off	K				
611-EP11-004P	EP11SD1SAPE	G	SPST	(On)-Off	P				

C&K TP SERIES: TINY PUSHBUTTON SWITCHES

- Features:**
- Subminiature size capable of switching up to 1A
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
Q - Cu alloy, with Ag plate, Ag plate terminal
 - Contact rating: B - 0.4VA @ 20VAC or DC max.
Q - 1A @ 120VAC or 28VDC
 - Plunger material: Thermoplastic polyester (UL94V-0)

For quantities greater than listed, call for quote.

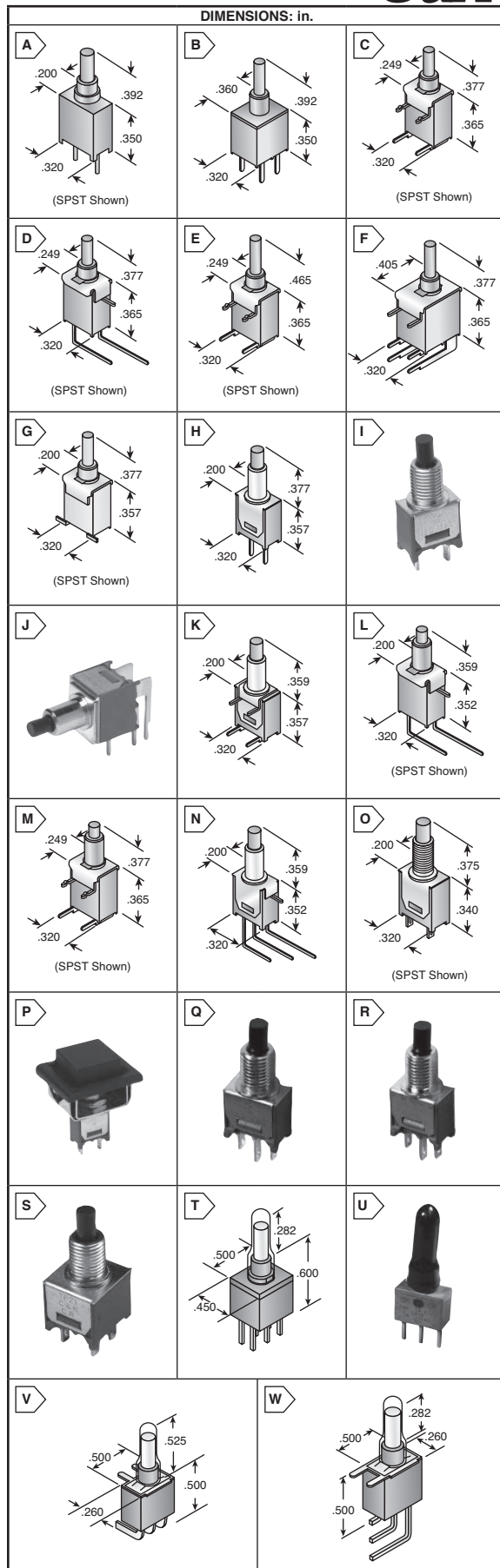
MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-TP11-005	TP11SH9CBE	H	SPST	(On)-Off	B				
611-TP11LTCQE	TP11LTCQE	I	SPST	Off-(On)	Q				
611-TP11SHCBE	TP11SHCBE	H	SPST	Off-(On)	B				
611-TP11SHCQE	TP11SHCQE	H	SPST	Off-(On)	Q				
611-TP12SHCBE	TP12SHCBE	H	SPDT	(On)-Off	B				
611-TP21SH9CBE	TP21SH9CBE	J	DPST	Off-(On)	B				
Right-Angle PC Thru-Hole									
611-TP11-006	TP11SH8ABE	K	SPST	(On)-Off	B				
611-TP11-004	TP11SH9ABE	K	SPST	Off-(On)	B				
611-TP12-007	TP12SH8AQE	K	SPDT	(On)-On	Q				
611-TP11SH8AGE	TP11SH8AGE	K	SPST	(On)-Off	G				
611-TP11SH8AQE	TP11SH8AQE	K	SPST	(On)-Off	Q				
611-TP11SH8AVBE	TP11SH8AVBE	K	SPST	(On)-Off	B				
611-TP11-009	TP11SH9AVBE	L	SPST	Off-(On)	B				
611-TP12-006	TP12SH8ABE	M	SPDT	(On)-On	B				
611-TP12-004	TP12SH9ABE	M	SPDT	(On)-On	B				
611-TP12-008	TP12SH8AVBE	N	SPDT	(On)-On	B				
611-TP21SH8ABE	TP21SH8ABE	J	DPST	Off-(On)	B				
Solder Lug									
611-TP11-002	TP11SHZQE	O	SPST	Off-(On)	Q				
611-TP11J81ZQE22	TP11J81ZQE22	P	SPST	Off-(On)	Q				
611-TP11SHZBE	TP11SHZBE	O	SPST	Off-(On)	B				
611-TP12-002	TP12SHZQE	Q	SPDT	Off-(On)	Q				
611-TP12SHZBE	TP12SHZBE	R	SPDT	Off-(On)	B				
611-TP21-002	TP21SHZQE	R	DPST	Off-(On)	Q				
611-TP21SHZBE	TP21SHZBE	S	DPST	Off-(On)	B				

C&K E020 SERIES: SEALED SNAP-ACTING PUSHBUTTON SWITCHES

- Features:**
- Sealed construction - internal o-ring & epoxy base
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
G - Coin Ag, with Au plate over Ni plate, Au plate terminal
B - 0.4VA @ 20VAC or DC max.
G - 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
 - Vinyl splashproof boot supplied standard. Discard only after soldering and cleaning processes are complete

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-E221-001	E221SD1CGE	T	DPDT	On-(On)	G				
611-E121-001	E121SD1CGE	U	SPDT	On-(On)	G				
Right-Angle PC Thru-Hole									
611-E121-002	E121SD1AGE	V	SPDT	On-(On)	G				
611-E125-004	E125SD1ABE	V	SPDT	On-(On)	B				
611-E121SD1AV3GE	E121SD1AV3GE	W	SPDT	On-(On)	G				



Pushbutton Switches C&K

C&K PVA SERIES SHORT STROKE KEY SWITCHES

- Features:**
- Compact design
 - Short stroke to latch
 - Wide variety of actuator heights and styles
 - Adapted for medium power applications

- Applications:**
- Automotive (air conditioning, lighting)
 - Video, remote controls
 - Electronic games

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Mechanical Function	Total Height	Price Each		
						1	50	100
611-PVA1EEH1	PVA1EEH1	A	DPST	Push-push	17.5 mm			
611-PVA2EEH1	PVA2EEH1	A	DPDT	Push-push	17.5 mm			

C&K KS SERIES SINGLE POLE KEY SWITCHES

- Features:**
- Positive tactile feel
 - Variety of cap colors
 - LED support available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Cap Color	Contact Form	Circuit	Total Height	Price Each		
							1	25	50
611-KS11R001	KS11R22CQD	B	Red	SPST-NO	Off-Mom	Silver			

C&K 8020 SERIES: SNAP-ACTING MOMENTARY PUSHBUTTON SWITCHES

- Features:**
- Positive tactile feel
 - Epoxy sealed
- Applications:**
- Telecommunication equipment
 - Instrumentation
 - Computer peripherals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-8121-222	8121SHCGE	C	SPDT	On-(On)	Gold				
611-8125-222	8125SHCBE	C	SPDT	On-(On)	Gold				
611-U811SH9CGE	U811SH9CGE	D	SPDT	On-(On)	Silver				
Right-Angle PC Thru-Hole									
611-8121-231	8121SD9AGE	E	SPDT	On-(On)	Gold over Silver				
611-8121-290	8121SD9AV2GE	F	SPDT	On-(On)	Gold over Silver				
611-8125-232	8125SD9AV2BE	F	SPDT	On-(On)	Gold				
611-8121SHAV2GE	8121SHAV2GE	G	SPDT	On-(On)	Gold over Silver				
Solder Lug									
611-8121-221	8121SHZGE	H	SPDT	On-(On)	Gold over Silver				
611-8125-231	8125SD9ABE	E	SPDT	On-(On)	Gold				
611-8125-241	8125SHZBE	H	SPDT	On-(On)	Gold				
611-8121-211	8121J81ZGE22	I	SPDT	On-(On)	Gold over Silver				
611-8125-211	8125J81ZBE22	I	SPDT	On-(On)	Gold				
611-8221-211	8221J81ZGE22	I	DPDT	On-(On)	Gold over Silver				
611-8121-211	8121J81ZGE22	H	SPDT	On-(On)	Gold over Nickel				
611-8121-311	8121J83ZGE22	J	SPDT	On-(On)	Gold over Silver				
611-8221J83ZGE22	8221J83ZGE22	K	SPDT	On-(On)	Gold over Silver				
V-Bracket									
611-8121-236	8121SD9V3GE	L	SPDT	On-(On)	Gold over Silver				
611-8125-223	8125SD3V3BE	L	SPDT	On-(On)	Gold				

C&K 8060 SERIES: ALTERNATE ACTION PUSHBUTTON SWITCHES

- Features:**
- Epoxy sealed
 - Long electrical life (50,000 cycles @ full load)
- Applications:**
- Telecommunication equipment
 - Instrumentation
 - Computer peripherals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
Right-Angle PC Thru-Hole									
611-8168-221	8168SH9ABE2	M	SPDT	On-(On)	Gold				
611-8161SH9ABE2	8161SH9ABE2	M	SPST	On-On	Gold				
611-8161S1H9ABE2	8161S1H9ABE2	M	SPDT	On-On	Gold				
Solder Lug									
611-8161-201	8161SHZQE2	N	SPDT	On-On	Silver				
611-8168-203	8168LHZQE2	N	SPDT	On-(On)	Silver				
611-8168-202	8168SHZQE2	N	SPDT	On-(On)	Gold over Silver				
611-8168-201	8168SHZQE2	N	SPDT	On-(On)	Silver				
611-8261-201	8261SHZQE2	N	DPDT	On-On	Silver				
611-8261S1HZQE2	8261S1HZQE2	N	DPDT	On-On	Black				

C&K 8500 SERIES: SUBMINIATURE PUSHBUTTON SWITCHES

- Features:**
- Reliable contact design
 - Epoxy Sealed
- Applications:**
- Telecommunication equipment
 - Instrumentation
 - Computer peripherals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-8531-251	8531MCQE2	O	SPST	(On)-Off	Silver				
611-8533-251	8533MCQE2	O	SPST	On-(Off)	Silver				
Solder Lug									
611-8531-252	8531MZQE2	P	SPST	(On)-Off	Silver				
611-8531SZQE2	8531SZQE2	P	SPST	Off-(On)	Silver				
611-8532-252	8532MZQE2	Q	SPST	(On)-Off	Silver				
611-8532T1ZQE2	8532T1ZQE2	M	SPDT	On-On	Gold				
611-8551-252	8551MZQE2	Q	SPST	(On)-Off	Silver				
611-8532-261	8532T1ZBE2	R	SPST	(On)-Off	Gold				
611-8552TZQE2	8552TZQE2	S	SPST	Off-(On)	Silver				

C&K 8600 SERIES: MICROMINIATURE PUSHBUTTON SWITCHES

- Features:**
- Ideal for applications where space is limited
 - Hardware included: nut, brass or nickel plated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-8631-261	8631CQD2	T	SPST	(On)-Off	Silver				
611-8632-261	8632CQD2	U	SPST	(On)-Off	Silver				
Solder Lug									
611-8631-252	8631ZQD2	V	SPST	(On)-Off	Silver				
611-8632ZBD2	8632ZBD2	V	SPST	(On)-Off	Gold				
611-8632-252	8632ZQD2	W	SPST	(On)-Off	Silver				

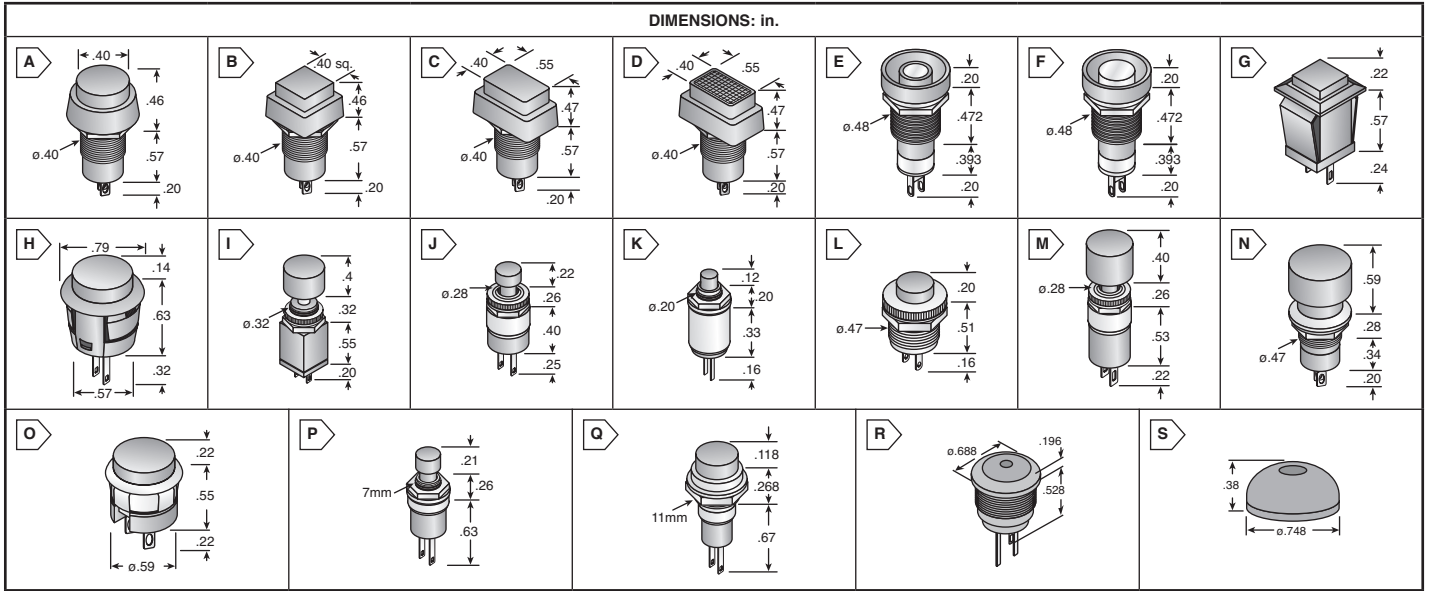
DIMENSIONS: in.

C&K Pushbutton Switches

MOUNTAIN SWITCH Pushbutton Switches



DIMENSIONS: in.



MINIATURE SOFT TOUCH

Specifications:

- Mechanical life: 100,000 operations
- Electrical life: 50,000 operations
- Type: SPST
- Button material: Metal is aluminum; all others are molded plastic.

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Circuit	Frame Color	Cap Color	Price Each				
					1	50	100	500	1000
Rating: 3A/125VAC									
10PA322	A	Off-(On)	Black	Red					
10PP422	A	Off-On	Black	Red					
10PA323	A	Off-(On)	Black	Black					
10PP423	A	Off-On	Black	Black					
107-3029-EVX	A	Off-(On)	Silver	Silver					
107-3030-EVX	A	Off-On	Silver	Silver					
10PA332	B	Off-(On)	Black	Red					
10PP432	B	Off-On	Black	Red					
107-3031-EVX	B	Off-(On)	Black	Black					
107-3032-EVX	B	Off-(On)	Black	Silver					
107-3033-EVX	B	Off-On	Black	Silver					
107-3034-EVX	B	Off-(On)	Silver	Silver					
107-3035-EVX	C	Off-(On)	Black	Red					
107-3036-EVX	C	Off-On	Black	Red					
107-3037-EVX	C	Off-(On)	Black	Black					
107-3039-EVX	C	Off-(On)	Black	Silver					
107-3040-EVX	C	Off-(On)	Silver	Silver					
107-3041-EVX	D	Off-(On)	Black	Silver					
107-3042-EVX	D	Off-(On)	Silver	Silver					

STANDARD TOUCH

Specifications:

- Type: SPST

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Circuit	Rating	Cap Color	Price Each				
					1	50	100	500	1000
10PA201	I	Off-(On)	3A/125V	Red					
10PA220	J	Off-(On)	1A/125V	Red					
10PA018	K	Off-(On)	.5A/125V	Red					
10PA019	K	Off-(On)	.5A/125V	Black					
10PA080	L	Off-(On)	1A/125V	Black					
10PA081	L	Off-(On)	1A/125V	Black					
10PA112	M	Off-(On)	1A/125V	Black					
10PA122	M	On-(Off)	1A/125V	Black					
10PM031	N	On-Off	3A/250V	Red					
10PM021	N	Off-(On)	3A/250V	Red					
10PM022	N	Off-(On)	3A/250V	Black					
107-3044-EV	O	Off-(On)	3A/125V	Red					
107-3046-EV	O	Off-(On)	3A/125V	Black					
104-0010-EVX	P	Off-(On)	0.5A/125V	White					
103-1216-EVX	P	Off-(On)	1A/125V	Green					
104-0012-EVX	P	Off-(On)	0.5A/125V	Red					
104-0013-EVX	P	Off-(On)	0.5A/125V	Black					
103-1218-EVX	P	(Off)-On	1A/125V	Red					
103-1219-EVX	P	(Off)-On	1A/125V	Black					
104-0042-EVX	Q	Off-(On)	3A/125V	Red					
104-0043-EVX	Q	Off-(On)	3A/125V	Black					

GUARDED

Specifications:

- Rating: 3A/125VAC
- Contact resistance: 20mΩ
- Mounting hole: .48"
- Solder terminals
- Dielectric strength: 1000V for 1 minute
- Type: SPST

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Circuit	Frame Color	Cap Color	Price Each				
					1	50	100	500	1000
107-1258-S	E	Off-On	Black	Silver					
107-1258R	E	Off-On	Black	Red					
107-1258BU	E	Off-On	Black	Blue					
107-1259-R	E	Off-(On)	Black	Red					
107-1261B	F	Off-On	Black	Black					
107-1261R	F	Off-On	Black	Red					
107-1262-R	F	Off-(On)	Black	Red					
107-1262-B	F	Off-(On)	Black	Black					

ILLUMINATED PUSHBUTTON SWITCHES AND CAP

Specifications:

- Max. current/voltage rating w/resistive load: 400mA/32VAC, 100mA/50VDC, 125mA/125VAC
- Contact resistance: Max. 50mΩ (initial)
- Solder terminals
- Dielectric strength: 1000VAC rms



RoHS Compliant

MOLDED PLASTIC

Specifications:

- Solder terminals
- Type: SPST

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Circuit	Rating	Cap Color	Price Each				
					1	50	100	500	1000
10PA211	G	Off-(On)	1A/125V	Black					
10PA005	H	Off-(On)	3A/125V	Red					
107-DS412W	H	Off-(On)	3A/125V	White					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Circuit	Frame Color	Cap Color	Price Each				
					1	50	100	500	1000
107-6215-EVX	R	Off-(On)	White	Yellow					
107-6217-EVX	R	Off-(On)	Red	Blue					
107-6213-EVX	R	Off-(On)	Yellow	Red					
107-6212-EVX	R	Off-(On)	Green	Black					
107-6211-EVX	R	Off-(On)	Blue	Black					
Water Proof Cap									
107-6003-EV	S	--	--	Clear					

MOUNTAIN SWITCH Pushbutton Switches



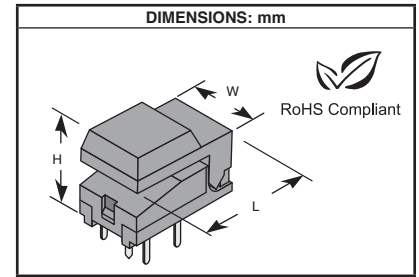
MOUNTAIN SWITCH DPS SERIES PUSHBUTTON SWITCHES

Specifications:

- Rating: 12mA/24VDC
- Contact material: gold plated copper alloy
- Operation force: 200gf max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cap Style	Cap Color	Dimensions: mm L x W x H	Price Each			
				1	50	100	500
107-DPS-01-1-EV	Small	Black	17.7 x 12.2 x 14.5				
107-DPS-01-5-EV	Small	Red	17.7 x 12.2 x 14.5				
107-DPS-11-1-EV	Large	Black	17.7 x 17.2 x 14.5				
107-DPS-11-2-EV	Large	Gray	17.7 x 17.2 x 14.5				
107-DPS-11-4-EV	Large	Blue	17.7 x 17.2 x 14.5				
107-DPS-11-5-EV	Large	Red	17.7 x 17.2 x 14.5				



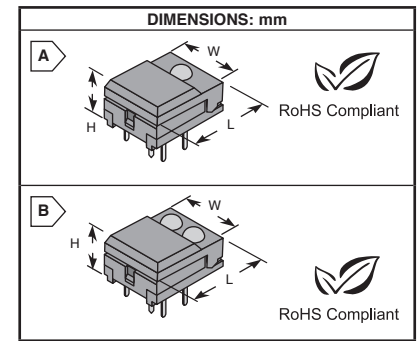
MOUNTAIN SWITCH SP SERIES ILLUMINATED PUSHBUTTON SWITCHES

Specifications:

- Rating: 12mA/24VDC
- Type: SPDT
- Operating force: 200gf max

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Cap Style	Cap Color	LED Color	Dimensions: mm L x W x H	Price Each			
						1	50	100	500
107-SP86-A1-9-01-EV	A	Small	Gray	Red	17.5 x 12.4 x 14.5				
107-SP86-A1-1-03-EV	A	Small	Red	Green	17.5 x 12.4 x 14.5				
107-SP86-A1-4-01-EV	A	Small	White	Red	17.5 x 12.4 x 14.5				
107-SP86-A2-5-13-EV	B	Small	Black	Red/Green	17.5 x 12.4 x 14.5				
107-SP86-B1-5-03-EV	A	Large	Black	Green	17.5 x 17.2 x 14.5				
107-SP86-B2-9-13-EV	B	Large	Gray	Red/Green	17.5 x 12.4 x 14.5				



MOUNTAIN SWITCH MICRO ILLUMINATED PUSHBUTTON SWITCHES

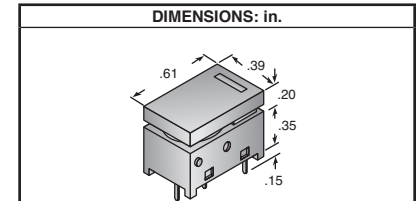
Specifications:

- LED reverse voltage: 4V
- LED forward current: 25mA
- Rating: 1A/125VAC
- LED forward voltage (IF=20mA): 2.1V
- Type: SPST
- PC terminals

() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Circuit	Cap Color	LED Color	Price Each		
				1	50	100
107-6612	Off-(On)	Black	Green			



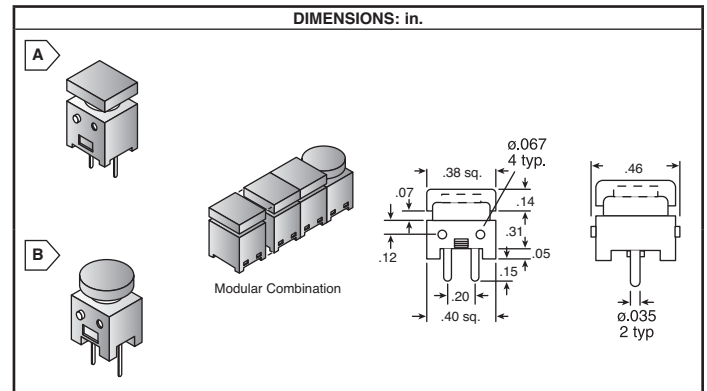
MOUNTAIN SWITCH MIDGET PUSHBUTTON SWITCHES

Specifications:

- Rating: 1A/125VAC
- Contact resistance: 20mΩ max.
- Dielectric strength: 1000VAC for 1 minute
- Circuit: Off-(On), () = Momentary Contact

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Price Each		
			1	50	100
Square (Soft Touch)					
10KB041	A	Red			
Square (Tactile Touch)					
10KB032	A	Black			
10KB035	A	White			
Round (Soft Touch)					
10KB022	B	Black			
10KB025	B	White			
Round (Tactile Touch)					
10KB011	B	Red			
10KB012	B	Black			



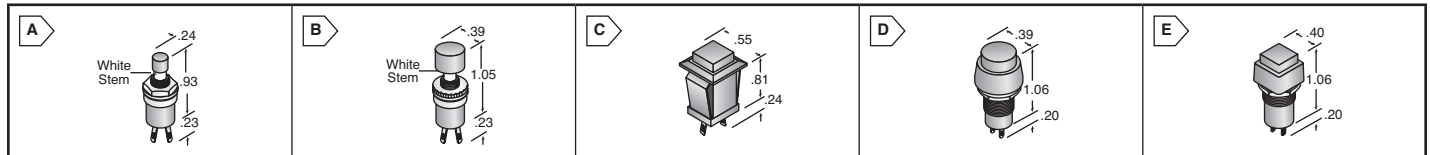
MOUNTAIN SWITCH PUSHBUTTON SWITCHES

- Dielectric strength: 1000VAC for 1 minute



RoHS Compliant

DIMENSIONS: in.



† Stem color is the same as the button color with knurl nut () = Momentary

For quantities greater than listed, call for quote.

() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating VAC	Color		Price Each		
					Frame	Cap	1	50	100
103-1012-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Red			
† 103-1112-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Red			
103-1013-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Black			
† 103-1113-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Black			
103-1016-EVX	A	SPST	On-(Off)	1.5A / 250V	Silver	Black			
103-1022-EVX	B	SPST	Off-(On)	1.5A / 250V	Silver	Red			
103-1023-EVX	B	SPST	Off-(On)	1.5A / 250V	Silver	Black			
103-1029-EVX	C	SPST	Off-(On)	1.0A / 125V	Black	Green			

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating VAC	Color		Price Each		
					Frame	Cap	1	50	100
103-1210-EV	C	SPST	Off-(On)	1.0A / 125V	Black	Red			
103-1211-EV	C	SPST	Off-(On)	1.0A / 125V	Black	Black			
103-1322-EVX	D	SPST	Off-(On)	3.0A / 125V	Black	Red			
103-1323-EVX	D	SPST	Off-(On)	3.0A / 125V	Black	Black			
103-1422-EVX	D	SPST	On-Off	1.0A / 125V	Black	Red			
103-1423-EVX	D	SPST	On-Off	1.0A / 125V	Black	Black			
103-1432-EVX	E	SPST	On-Off	3.0A / 125V	Black	Red			

NKK Pushbutton Switches



NKK MB2000 SERIES: MINIATURE PUSHBUTTONS

- Plunger threaded for screw-on caps
- Power rating: 6A @ 125VAC OR 3A @ 30VDC



() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Standard Bushing-Solder Lug Mount							
633-MB206501-RO	MB2065SS1W01	A	SPDT On-On	Silver			
633-MB218101-RO	MB2181SS1W01	A	4PDT On-(On)	Silver			
633-MB218501-RO	MB2185SS1W01	A	4PDT On-On	Silver			
Standard Bushing-PC Mount							
633-MB206503-RO	MB2065SS1W03	A	SPDT On-On	Silver			
633-MB206103-RO	MB2061SS1W03	A	DPDT On-(On)	Silver			
633-MB208503-RO	MB2085SS1W03	A	DPDT On-On	Silver			
633-MB218503-RO	MB2185SS1W03	A	4PDT On-On	Silver			
Screw-On Caps for Standard Bushing							
633-AT407A	AT407A	B	.394" X .315", black				
633-AT407B	AT407B	B	.394" X .315", white				
633-AT407C	AT407C	B	.394" X .315", red				
633-AT413A	AT413A	B	.315" X .256", black				
633-AT413B	AT413B	B	.315" X .256", white				
633-AT413C	AT413C	B	.315" X .256", red				
Large Bushing-Solder Lug Mount							
633-MB201107-RO	MB2011SB1W01	C	SPDT On-(On)	Silver			
633-MB206507-RO	MB2065SB1W01	C	SPDT On-On	Silver			
633-MB206107-RO	MB2061SB1W01	C	DPDT On-(On)	Silver			
633-MB208507-RO	MB2085SB1W01	C	DPDT On-On	Silver			
633-MB218107-RO	MB2181SB1W01	C	4PDT On-(On)	Silver			
633-MB218506-RO	MB2185SB1W01	C	4PDT On-On	Silver			
Screw-On Caps for Large Bushing							
633-AT078A	AT078A	B	.315" X .256", black				
633-AT079A	AT079A	B	.394" X .315", black				
633-AT079B	AT079B	B	.394" X .315", white				
633-AT414A	AT414A	D	.520" X .433", black				
633-AT414B	AT414B	D	.520" X .433", white				
633-AT414C	AT414C	D	.520" X .433", red				

DIMENSIONS: in.	
A 	B
C 	D
E 	F
G 	H
I 	J

NKK MB2400 SERIES: MINIATURE SNAP ACTION PUSHBUTTONS

- Plunger: Brass with nickel plating
- Contacts: Gold-0.4VA max @ 28VAC/DC max.
- Stainless steel frame
- Silver 3A @ 125VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Threaded Bushing with D Flat and Solder Lug Mount							
633-MB241108	MB2411E1W01	E	SPDT On-(On)	Silver			
633-MB246108	MB2461E1W01	E	DPDT On-(On)	Silver			
633-MB241109-RO	MB2411E1G01	E	SPDT On-(On)	Gold			
633-MB246109-RO	MB2461E1G01	E	DPDT On-(On)	Gold			
Smooth Bushing with Keyway, Right Angle PC Mount							
633-MB241110-RO	MB2411A2W30	F	SPDT On-(On)	Silver			
Slip-on Caps for MB Series							
633-AT475A	AT475A	G	.201" X .157", black				
633-AT475B	AT475B	G	.201" X .157", white				
633-AT475C	AT475C	G	.201" X .157", red				
633-AT496A	AT496A	H	.295" X .157", black				
633-AT496B	AT496B	H	.295" X .157", white				
633-AT496C	AT496C	H	.295" X .157", red				
Snap-in Mount with Red Cap, Black Bezel							
633-MB241112	MB2411JW01-C-1A	I	SPDT On-(On)	Silver			
633-MB246112	MB2461JW01-C-1A	I	DPDT On-(On)	Silver			

SERIES MB2400 SNAP-ACTION SNAP IN MOUNT PUSHBUTTONS

Features:

- Anti-jamming design protects contacts from damage due to excessive downward force on the actuator
- High torque bushing construction prevents rotation or separation from frame during installation
- Prominent external insulating barriers increase insulation resistance and dielectric strength
- Epoxy sealed terminals prevent entry of solder flux and other contaminants
- Internal o-ring protects against contamination
- Snap-acting mechanism gives smooth actuation and audible feedback.
- Longer center solder lug terminal simplifies wiring and soldering
- Patented silver contacts of specially composed alloy for hardness.
- Stainless steel frame resists corrosion
- Short stroke and light touch



MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Square Button							
633-411JG01-A/12A/1F	MB2411JG01-A-1-2A/1-F	J	SPDT On-Mom	0.4VA @ 28VAC/DC			
633-MB2411JG01-A-1A	MB2411JG01-A-1A	J	SPDT On-Mom	0.4VA @ 28VAC/DC			
633-MB2411JW01A1A	MB2411JW01-A-1A	J	SPDT On-Mom	3A @ 125VAC			
633-MB2411JW01H4A-CF	MB2411JW01-H-4A-CF	J	SPDT On-Mom	3A @ 125VAC			
633-MB2461JG01-A-1A	MB2461JG01-A-1A	J	DPDT On-Mom	0.4VA @ 28VAC/DC			
633-MB2461JW01-A-1A	MB2461JW01-A-1A	J	DPDT On-Mom	3A @ 125VAC			

NKK Pushbutton Switches



NKK PROCESS SEALED PUSHBUTTON SWITCHES

AB Series: Process Sealed Submini Pushbuttons

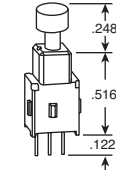
- Specifications:**
- Actuator: .213" length plunger
 - 0.4VA max. @ 28 VAC/DC max.



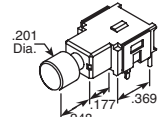
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Terminal	Price Each			
					1	25	50	100
633-AB11AP	AB11AP	A	SPST Off-(On)	PCB Straight				
633-AB15AP	AB15AP	A	SPDT On-(On)	PCB Straight				
633-AB25AP	AB25AP	A	DPDT On-(On)	PCB Straight				
633-AB15AH	AB15AH	B	SPDT On-(On)	PCB R/A				
Slip-On Caps for A Series					Description			
633-AT475A	AT475A	C			.201" X .157", black			
633-AT475B	AT475B	C			.201" X .157", white			
633-AT475C	AT475C	C			.201" X .157", red			
633-AT496A	AT496A	D			.295" X .157", black			
633-AT496B	AT496B	D			.295" X .157", white			
633-AT496C	AT496C	D			.295" X .157", red			



Shown w/optional cap AT475



Shown w/optional cap AT475

GB Series: Process Sealed Ultra-Mini Pushbuttons

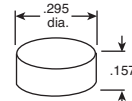
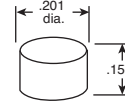
- Specifications:**
- Actuator: .130" length plunger
 - 0.4VA max. @ 28 VAC/DC max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Terminal	Price Each			
					1	25	50	100
633-GB15AP-RO	GB15AP	E	SPDT On-(On)	PCB Straight				
633-GB25AP	GB25AP	E	DPDT On-(On)	PCB Straight				
633-GB15AH-RO	GB15AH	F	SPDT On-(On)	PCB R/A				
Slip-On Caps for G Series					Description			
633-AT4063A	AT4063A	G			.157" X .094", Black			
633-AT4063B	AT4063B	G			.157" X .094", White			
633-AT4063C	AT4063C	G			.157" X .094", Red			



NKK FB SERIES: 0.5 AMP MOMENTARY PUSHBUTTONS

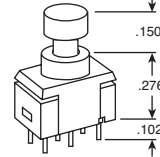
- Specifications:**
- Actuator: White plunger
 - Contacts: Silver 500mA@125VAC



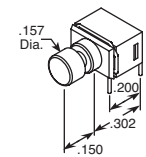
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Terminal	Price Each			
					1	25	50	100
633-FB15ANEP2	FB15ANEP2	H	SPST Off-(On)	PC/Turret				
Slip-on Caps for FB Series					Description			
633-AT475A	AT475A	C			.201" X .157", black			
633-AT475B	AT475B	C			.201" X .157", white			
633-AT475C	AT475C	C			.201" X .157", red			
633-AT496A	AT496A	D			.295" X .157", black			
633-AT496B	AT496B	D			.295" X .157", white			
633-AT496C	AT496C	D			.295" X .157", red			



Shown w/optional cap AT4063



Shown w/optional cap AT4063

NKK SB SERIES: 3 AMP MOMENTARY PUSHBUTTONS

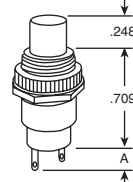
- Specifications:**
- Actuator: Black plunger
 - Contacts: Silver 3A @ 125VAC or 2A @ 30VDC



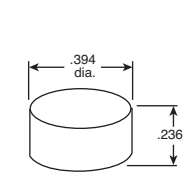
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Terminal	Price Each			
					1	25	50	100
633-SB4011NOM-RO	SB4011NOM	I	SPST Off-(On)	Solder Lug				
633-SB4011NCM-RO	SB4011NCM	I	SPST On-(Off)	Solder Lug				
Slip-on Caps for SB Series					Description			
633-AT422A	AT422A	J			.394" X .236", black			
633-AT422B	AT422B	J			.394" X .236", white			
633-AT422C	AT422C	J			.394" X .236", red			



Dimension A:
SB4011NOM = .157
SB4011NCM = .197



NKK ENVIRONMENTALLY SEALED PUSHBUTTON SWITCHES

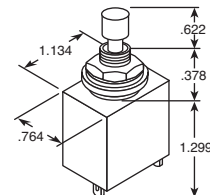
- Specifications:**
- Power rating: 6A @ 125VAC, 3A @ 250VAC, 6A @ 30VDC
 - IP67 of IEC529
 - UL94V-0 rated
 - Wire leads: AWG 16 heat resistant PVC
 - .520" dia. black cap



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Terminal	Price Each			
					1	25	50	100
633-WB12S-RO	WB12S-DA	K	SPDT On-None-On	Solder lug				
633-WB12T-RO	WB12T-DA	K	SPDT On-None-On	Screw lug				
633-WB12L-RO	WB12L-DA	K	SPDT On-None-On	Wire leads				
633-WB15S-RO	WB15S-DA	K	SPDT On-None-(On)	Solder lug				
633-WB15T-RO	WB15T-DA	K	SPDT On-None-(On)	Screw lug				
633-WB15L-RO	WB15L-DA	K	SPDT On-None-(On)	Wire leads				



NKK Illuminated and Non-illuminated Pushbuttons



RoHS Compliant This product is RoHS compliant.

LP01 SERIES: SHORT BODY PUSHBUTTONS

Features:

- Contact material: Silver
- Rating: 3A @ 125VAC/250VAC
- Solder lug
- Bushing or snap-in mounting
- Sueded for lead free soldering
- Environmentally friendly components
- UL 94V-0 housing and base
- Tamper proof caps



LED Specifications for LP01 Series	Red	Amber	Green
Forward peak current	30mA	30mA	30mA
Continuous forward current	20mA	20mA	20mA
Forward voltage	1.95V	2.0V	2.1V
Reverse peak voltage	5V	5V	5V
Current reduction rate above 25°C	0.41mA/°C	0.29mA/°C	0.39mA/°C
Ambient temperature range	-10°C ~ +50°C		

Non-Illuminated and Illuminated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Cap Color/LED Colors	Price Each		
					1	25	50
Non-Illuminated Bushing Mount							
633-LP0115CCKW01C	LP0115CCKW01C	A	SPDT On-(On)	Red			
633-LP0115CCKW01A	LP0115CCKW01A	A	SPDT On-(On)	Black			
633-LP0115CCKW01F	LP0115CCKW01F	A	SPDT On-(On)	Green			
633-LP0125CCKW01C	LP0125CCKW01C	A	DPDT On-(On)	Red			
633-LP0125CCKW01A	LP0125CCKW01A	A	DPDT On-(On)	Black			
633-LP0125CCKW01F	LP0125CCKW01F	A	DPDT On-(On)	Green			
Non-Illuminated Snap-In Mount							
633-LP0115CMKW01C	LP0115CMKW01C	B	SPDT On-(On)	Red			
633-LP0115CMKW01A	LP0115CMKW01A	B	SPDT On-(On)	Black			
633-LP0115CMKW01F	LP0115CMKW01F	B	SPDT On-(On)	Green			
Illuminated Bushing Mount							
633-LP0115CCKW015CB	LP0115CCKW015CB	A	SPDT On-(On)	White/Red			
633-LP0115CCKW015DB	LP0115CCKW015DB	A	SPDT On-(On)	White/Amber			
633-LP0115CCKW015FB	LP0115CCKW015FB	A	SPDT On-(On)	White/Green			
633-LP0125CCKW015CB	LP0125CCKW015CB	A	DPDT On-(On)	White/Red			
633-LP0125CCKW015DB	LP0125CCKW015DB	A	DPDT On-(On)	White/Amber			
633-LP0125CCKW015FB	LP0125CCKW015FB	A	DPDT On-(On)	White/Green			
Illuminated Snap-In Mount							
633-LP0115CMKW015CB	LP0115CMKW015CB	B	SPDT On-(On)	White/Red			
633-LP0115CMKW015DB	LP0115CMKW015DB	B	SPDT On-(On)	White/Amber			
633-LP0115CMKW015FB	LP0115CMKW015FB	B	SPDT On-(On)	White/Green			

GB SERIES: ULTRA-MINIATURE ILLUMINATED PUSHBUTTONS

Features:

- Contact material: Gold
- Rating: 0.4VA max. @ 28VAC/VDC max.
- Washable
- Ideal for handheld equipment
- Smooth, positive detent actuation
- Highly visible indication status
- Process sealed

LED Specifications for GB Series	Red	Amber	Green
Forward peak current	30mA	30mA	25mA
Continuous forward current	20mA	20mA	20mA
Forward voltage	1.9V	1.9V	2.1V
Reverse peak voltage	5V	5V	5V
Current reduction rate above 25°C	0.43mA/°C	0.43mA/°C	0.38mA/°C
Ambient temperature range	-25°C ~ +55°C		

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Cap Color/LED Colors	Price Each		
					1	25	50
Straight PC							
633-GB15JPC-RO	GB15JPC	C	SPDT ON-(ON)	Red			
633-GB15JPD-RO	GB15JPD	C	SPDT ON-(ON)	Amber			
Right Angle PC							
633-GB15JHC-RO	GB15JHC	D	SPDT ON-(ON)	Red			
Vertical PC							
633-GB15JVC-RO	GB15JVC	E	SPDT ON-(ON)	Red			
633-GB15JVD-RO	GB15JVD	E	SPDT ON-(ON)	Amber			

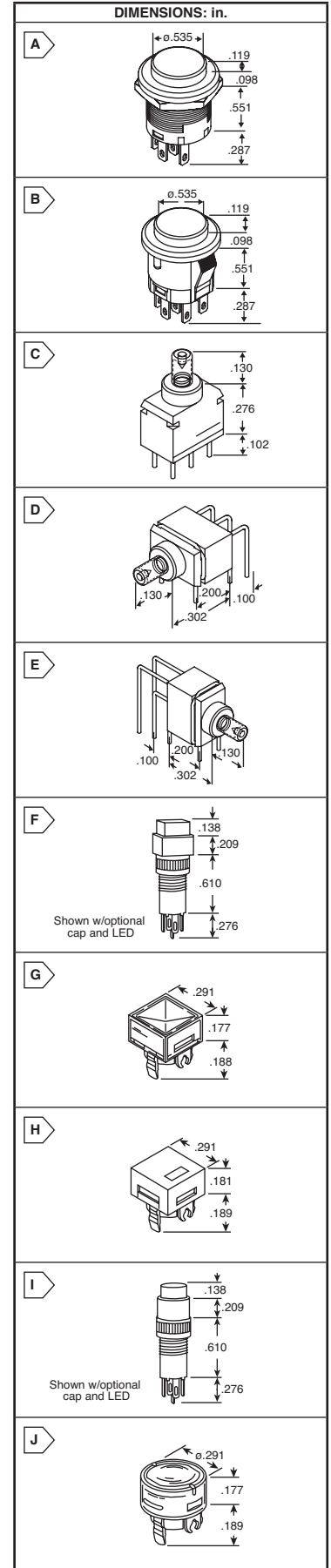
NKK HB SERIES: ILLUMINATED SUBMINIATURE PUSHBUTTONS

Features:

- Contact material and ratings: Silver, 0.1A max. @ 30VAC/DC
- Single element, bright LEDs
- Bushing mount
- Solder lug

LED Specifications for HB Series	Red	Amber	Green
Forward peak current	30mA	30mA	25mA
Continuous forward current	20mA	20mA	20mA
Forward voltage	1.85V	2.0V	2.2V
Reverse peak voltage	5V	5V	5V
Current reduction rate above 25°C	0.40mA/°C	0.42mA/°C	0.38mA/°C
Ambient temperature range	-25 ~ +50°C		

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Price Each		
				1	25	50
Square Switches						
633-HB15SKW01	HB15SKW01	F	SPDT On-(On)			
633-HB16SKW01	HB16SKW01	F	SPDT On-On			
Snap-On Caps for use with Square Switches						
633-AT4166CB	AT4166CB	G	Transparent red lens/white diffuser			
633-AT4166DB	AT4166DB	G	Transparent amber lens/white diffuser			
633-AT4166FB	AT4166FB	G	Transparent grn lens/white diffuser			
633-AT4052A	AT4052AB	H	Spot illuminated; use with LED			
Round Switches						
633-HB15CKW01	HB15CKW01	I	SPDT On-(On)			
633-HB16CKW01	HB16CKW01	I	SPDT On-On			
Snap-On Caps for use with Round Switches						
633-AT4167CB	AT4167CB	J	Transparent red lens/white diffuser			
633-AT4167DB	AT4167DB	J	Transparent amber lens/white diffuser			
633-AT4167FB	AT4167FB	J	Transparent grn lens/white diffuser			
Bright LEDs for HB Series						
633-AT633C	AT633C	--	T-1 Bi-pin, red			
633-AT633D	AT633D	--	T-1 Bi-pin, amber			
633-AT633F	AT633F	--	T-1 Bi-pin, green			
Accessories						
633-AT111	AT111	--	Lamping Tool			
633-AT109	AT109	--	Cap Extractor			
633-AT110	AT110	--	Socket Wrench			

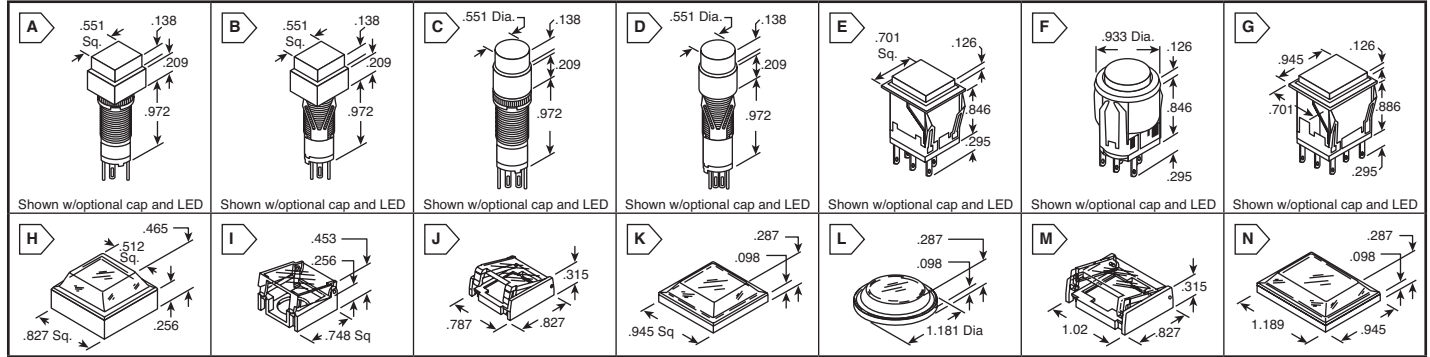


NKK Illuminated Pushbutton Switches



DIMENSIONS: in.

RoHS Compliant This product is RoHS compliant.



Single Element Bright LED Specifications

Color	Red	Amber	Green
Forward peak current	30mA	30mA	30mA
Continuous forward current	20mA	20mA	20mA
Forward voltage	1.9V	2.0V	2.1V
Reverse peak voltage	5V	5V	5V
Current reduction rate above 25°C	0.42mA/°C	0.42mA/°C	0.42mA/°C
Ambient temperature range	-25~+50°C		

Incandescent Lamp Specifications

Voltage AC	5VAC	12VAC
Current	115mA	60mA
Endurance (hours)	7,000	
Ambient temperature range	-25~+50°C	

NKK KB SERIES: ILLUMINATED MINIATURE PUSHBUTTONS

- Polyamide housing and housing base
- Power rating: 1A @ 125/250VAC or 30VDC
- Solder lug

() = Momentary



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Square, Bushing Mounting							
633-KB15SKW01	KB15SKW01	A	SPDT On-(On)	Silver			
633-KB16SKW01	KB16SKW01	A	SPDT On-On	Silver			
633-KB25SKW01	KB25SKW01	A	DPDT On-(On)	Silver			
633-KB26SKW01	KB26SKW01	A	DPDT On-On	Silver			
Square, Snap-In Mounting							
633-KB15KKW01	KB15KKW01	B	SPDT On-(On)	Silver			
633-KB16KKW01	KB16KKW01	B	SPDT On-On	Silver			
Snap-On Caps for Use with Square Switches and Incandescent Lamp AT611							
633-AT485BB	AT485BB		Translucent white lens/white filter				
633-AT485CB	AT485CB		Translucent red lens/white filter				
633-AT485EB	AT485EB		Translucent yellow lens/white filter				
633-AT485FB	AT485FB		Translucent green lens/white filter				
633-AT485GB	AT485GB		Translucent blue lens/white filter				
Snap-On Caps for Use with Square Switches and Bright LED AT635							
633-AT4133JB	AT4133JB		Clear lens/white translucent diffuser				
633-AT4158JC	AT4158JC		Clear lens/red translucent diffuser				
633-AT4158JD	AT4158JD		Clear lens/amber translucent diffuser				
633-AT4158JF	AT4158JF		Clear lens/green translucent diffuser				
Round, Bushing Mounting							
633-KB15CKW01	KB15CKW01	C	SPDT On-(On)	Silver			
633-KB16CKW01	KB16CKW01	C	SPDT On-On	Silver			
633-KB25CKW01	KB25CKW01	C	DPDT On-(On)	Silver			
633-KB26CKW01	KB26CKW01	C	DPDT On-On	Silver			
Round, Snap-In Mounting							
633-KB15MKW01	KB15MKW01	D	SPDT On-(On)	Silver			
633-KB16MKW01	KB16MKW01	D	SPDT On-On	Silver			
633-KB26MKW01	KB26MKW01	D	DPDT On-On	Silver			
Snap-On Caps for Use with Round Switches and Incandescent Lamp AT611							
633-AT486BB	AT486BB		Translucent white lens/white filter				
633-AT486CB	AT486CB		Translucent red lens/white filter				
633-AT486FB	AT486FB		Translucent green lens/white filter				
Snap-On Caps for Use with Round Switches and Bright LED AT635							
633-AT4132JB	AT4132JB		Clear lens/white translucent diffuser				
633-AT4160JC	AT4160JC		Clear lens/red translucent diffuser				
633-AT4160JD	AT4160JD		Clear lens/amber translucent diffuser				
633-AT4160JF	AT4160JF		Clear lens/green translucent diffuser				
Incandescent Lamps and Bright LEDs for KB series							
633-AT611-5V-RO	AT611-5V		Incandescent lamp, 5 VAC, T-1				
633-AT611-12V-RO	AT611-12V		Incandescent lamp, 12 VAC, T-1				
633-AT635C	AT635C		T-1 1/2 cylindrical red LED				
633-AT635D-RO	AT635D		T-1 1/2 cylindrical amber LED				
633-AT635F	AT635F		T-1 1/2 cylindrical green LED				

© Copyright 2014 Mouser Electronics

NKK LB SERIES: ILLUMINATED STANDARD PUSHBUTTONS

- Polyamide housing
- Snap-In Mounting
- Solder Lug
- Power rating: 3A @ 125/250VAC or 30VDC



() = Momentary For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Square Switches							
633-LB15SKW01	LB15SKW01	E	SPDT On-(On)	Silver			
633-LB16SKW01	LB16SKW01	E	SPDT On-On	Silver			
633-LB25SKW01	LB25SKW01	E	DPDT On-(On)	Silver			
633-LB26SKW01	LB26SKW01	E	DPDT On-On	Silver			
Snap-on Caps for Use with Square Switches and Incandescent Lamp AT607							
633-AT476BJ	AT476BJ		Translucent white lens/clear filter				
633-AT476CJ	AT476CJ		Translucent red lens/clear filter				
633-AT476EJ	AT476EJ		Translucent yellow lens/clear filter				
633-AT476FJ	AT476FJ		Translucent green lens/clear filter				
633-AT476GJ	AT476GJ		Translucent blue lens/clear filter				
Snap-on Caps for Use with Square Switches and Bright LED AT635							
633-AT4176JC	AT4176JC		Clear lens/red translucent diffuser				
633-AT4176JD	AT4176JD		Clear lens/amber translucent diffuser				
633-AT4176JF	AT4176JF		Clear lens/green translucent diffuser				
Round Switches							
633-LB15CKW01	LB15CKW01	F	SPDT On-(On)	Silver			
633-LB16CKW01	LB16CKW01	F	SPDT On-On	Silver			
633-LB25CKW01	LB25CKW01	F	DPDT On-(On)	Silver			
633-LB26CKW01	LB26CKW01	F	DPDT On-On	Silver			
Snap-on Caps for Use with Round Switches and Incandescent Lamp AT607							
633-AT4012BJ	AT4012BJ		Translucent white lens/clear filter				
633-AT4012CJ	AT4012CJ		Translucent red lens/clear filter				
633-AT4012FJ	AT4012FJ		Translucent green lens/clear filter				
633-AT4012GJ	AT4012GJ		Translucent blue lens/clear filter				
Snap-on Caps for Use with Round Switches and Bright LED AT635							
633-AT4178JC	AT4178JC		Clear lens/red translucent diffuser				
633-AT4178JD	AT4178JD		Clear lens/amber translucent diffuser				
633-AT4178JF	AT4178JF		Clear lens/green translucent diffuser				
Rectangular Switches							
633-LB15RKW01	LB15RKW01	G	SPDT On-(On)	Silver			
633-LB16RKW01	LB16RKW01	G	SPDT On-On	Silver			
633-LB25RKW01	LB25RKW01	G	DPDT On-(On)	Silver			
633-LB26RKW01	LB26RKW01	G	DPDT On-On	Silver			
Snap-on Caps for Use with Rectangular Switches and Incandescent Lamp AT607							
633-AT4026BJ	AT4026BJ		Translucent white lens/clear filter				
633-AT4026CJ	AT4026CJ		Translucent red lens/clear filter				
633-AT4026EJ	AT4026EJ		Translucent yellow lens/clear filter				
633-AT4026FJ	AT4026FJ		Translucent green lens/clear filter				
633-AT4026GJ	AT4026GJ		Translucent blue lens/clear filter				
Snap-on Caps for Use with Rectangular Switches and Bright LED AT635							
633-AT4177JC	AT4177JC		Clear lens/red translucent diffuser				
633-AT4177JD	AT4177JD		Clear lens/amber translucent diffuser				
633-AT4177JF	AT4177JF		Clear lens/green translucent diffuser				
Incandescent Lamps and Bright LEDs for LB series							
633-AT607-5V-RO	AT607-5V		Incandescent lamp, 5 VAC, T-1				
633-AT607-12V-RO	AT607-12V		Incandescent lamp, 12 VAC, T-1				
633-AT635C	AT635C		T-1 1/2 cylindrical red LED				
633-AT635F	AT635F		T-1 1/2 cylindrical green LED				

NKK OPTIONAL ACCESSORIES FOR KB AND LB SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each		
				1	25	50
633-AT495	AT495	H	Square and round dust cover, KB			
633-AT494	AT494	I	Square and round protective guard, KB			
633-AT499	AT499	J	Square protective guard, LB			
633-AT4001	AT4001	K	Square dust cover, LB			
633-AT4002	AT4002	L	Round dust cover, LB			
633-AT4057	AT4057	M	Rectangular protective guard, LB			
633-AT4011	AT4011	N	Rectangular dust cover, LB			
633-AT111	AT111	--	Lamping tool, LB and KB			
633-AT109	AT109	--	Cap extractor, LB and KB			
633-AT108	AT108	--	Socket wrench, KB			
633-AT112	AT112	--	Socket wrench, LB			

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

mouser.com/nkk

EUsales@mouser.com

1699

NKK Pushbutton Switches



This product is RoHS compliant.

NKK KP SERIES : MINIATURE AUDIO/VIDEO PUSHBUTTONS

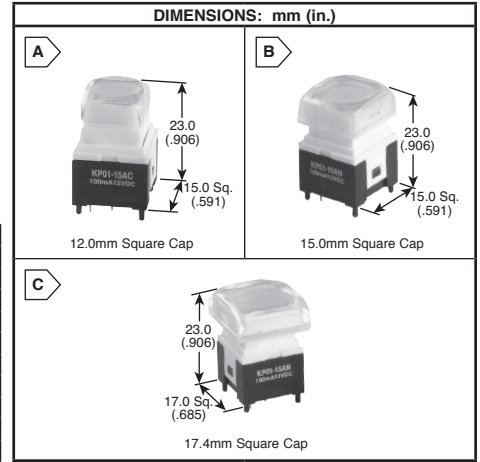
NKK SWITCHES KP series offers a complete switch solution for all broadcast panel needs, including home keys and the custom rectangular switch/cap assembly. Distinct, long total travel of .177" (4.5mm) for KP01 or shorter stroke of .138" (3.5mm) for KP02. Available with red/green bicolor LED and custom RGB LEDs. The RGB LED full color spectrum in a switch package provides unlimited color combinations. Specially designed snap-in standoff for simple and secure PC board mounting and alignment. Unique actuation guide gives positive indication of circuit transfer as well as smooth and silent operation. (Patent pending). Choices of tactile, nontactile or tactile/audible actuation. Compact design with height of .906" (23.0mm) from PC board to top of cap. (Same height as IS series programmable SmartSwitch™.) Flat, sculptured or home key square caps in three common sizes for design flexibility in audio/video applications. Twin contacts with gold plating assure high reliability and long life of 5,000,000 operations minimum. Epoxy sealed terminals to lock out flux, dust, and other contaminants, plus standard PCB spacing of .100" (2.54mm).



RoHS Compliant

Custom RGB LED Specifications			
Color	Red	Green	Blue
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	20mA	15mA	15mA
Forward Voltage	2.0V	3.3V	3.4V
Reserves Peak Voltage	5V	5V	5V
Dominant Wavelength	625nm	525nm	470nm
Current Reduction Rate	0.50mA/°C	0.50mA/°C	0.50mA/°C
Ambient Temperature Range	-25°C ~ +50°C		

Super Bright Bicolor LED Specifications 6CF		
Color	Red	Green
Minimum Luminous Intensity	450mcd	820mcd
Standard Luminous Intensity	700mcd	1100mcd
Forward Peak Current	30mA (25 for amber)	25 (22 for amber)
Continuous Forward Current	15mA	15mA
Forward Voltage	2.1V	3.2V
Reserves Peak Voltage	5V	5V
Wavelength of Peak Emission	630 ~ 640nm	520 ~ 535nm
Current Reduction Rate above 25°C	0.40mA/°C	0.36mA/°C
Ambient Temperature Range	-25°C ~ +50°C	



12mm Square

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation Style	Price Each		
					1	25	50
633-15ACAKG036CF2SJB	KP0115ACAKG036CF-1SJB	A	SPST OFF (ON)	Tactile			
633-KP0115ACAKG03RGB	KP0115ACAKG03RGB-1SJB	A	SPST OFF (ON)	Tactile			
633-5ACAKG036CF1SJB	KP0215ACAKG036CF-1SJB	A	SPST OFF (ON)	Tactile			
633-KP0215ACAKG03RGB	KP0215ACAKG03RGB-1SJB	A	SPST OFF (ON)	Tactile			
633-15ANAKG03RGB1SJB	KP0215ANAKG03RGB-1SJB	A	SPST OFF (ON)	Nontactile			
633-15ASAKG03RGB1SJB	KP0215ASAKG03RGB-1SJB	A	SPST OFF (ON)	Tactile/Audible			

15mm Square

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation Style	Price Each		
					1	25	50
633-15ANBKG036CF2SJB	KP0115ANBKG036CF-2SJB	B	SPST OFF (ON)	Nontactile			
633-15ACBKG03RGB2SJB	KP0115ACBKG03RGB-2SJB	B	SPST OFF (ON)	Tactile			
633-15ACBKG036CF2SJB	KP0115ACBKG036CF-2SJB	B	SPST OFF (ON)	Tactile			
633-5ACBKG036CF2SJB	KP0215ACBKG036CF-2SJB	B	SPST OFF (ON)	Tactile			
633-5ACBKG03RGB2SJB	KP0215ACBKG03RGB-2SJB	B	SPST OFF (ON)	Tactile			
633-ANBKG03RGB-2SJB	KP0215ANBKG03RGB-2SJB	B	SPST OFF (ON)	Nontactile			
633-ASBKG03RGB-2SJB	KP0215ASBKG03RGB-2SJB	B	SPST OFF (ON)	Tactile/Audible			

17.4mm Square

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation Style	Price Each		
					1	25	50
633-15ACBKG036CF3SJB	KP0115ACBKG036CF-3SJB	C	SPST OFF (ON)	Tactile			
633-KP0115ANBKG03RGB	KP0115ANBKG03RGB-3SJB	C	SPST OFF (ON)	Tactile			
633-15ANBKG036CF3SJB	KP0115ANBKG036CF-3SJB	C	SPST OFF (ON)	Nontactile			
633-15ANBKG03RGB3SJB	KP0115ANBKG03RGB-3SJB	C	SPST OFF (ON)	Nontactile			
633-15ACBKG03RGB3SJB	KP0215ACBKG03RGB-3SJB	C	SPST OFF (ON)	Tactile			
633-5ANBKG036CF3SJB	KP0215ANBKG036CF-3SJB	C	SPST OFF (ON)	Nontactile			
633-5ASBKG03RGB3SJB	KP0215ASBKG03RGB-3SJB	C	SPST OFF (ON)	Tactile/Audible			
633-5ASBKG036CF3FJB	KP0215ASBKG036CF-3FJB	C	SPST OFF (ON)	Tactile/Audible			

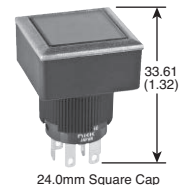
NKK YB2 SERIES: 24MM SQUARE PANEL SEAL PUSHBUTTONS

Specifications:

- Contact Resistance: 50 milliohms max. for silver, 100 milliohms max. for gold
- Insulation Resistance: 200 megohms min. @ 500VDC
- Electric Life: 100,000 operations min.
- Operating Force: Single pole: 1.5N
Double pole: 3.0N
- Contact Material/Ratings: Silver Rated 3A @ 125VAC

Distinctive Characteristics:

- 24mm pushbutton with the shortest above panel dimensions (1.8mm) in the industry for splashproof design
- Meets IP65 of IEC60529 standards (similar to NEMA 4 and 13), providing dust tight and splashproof panel seal protection
- Tamper resistant 18mm square actuator
- Short body of .965" (24.5mm) conserves behind panel space



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Poles and Circuit	LED Color	Lens	Price Each		
					1	5	10
633-215CWSKW015C24CB	YB215CWSKW01-5C24-CB	SPDT ON(ON)	Red	Red/White			
633-225CWSKW015C24CB	YB225CWSKW01-5C24-CB	DPDT ON(ON)	Red	Red/White			
633-CWSKW015C24CBCUL	YB215CWSKW01-5C24-CB/CUL	SPDT ON(ON)	Red	Red/White			
633-WSKW015C24CBCUL	YB225CWSKW01-5C24-CB/CUL	DPDT ON(ON)	Red	Red/White			
633-215CWSKW015F24FB	YB215CWSKW01-5F24-FB	SPDT ON(ON)	Green	Green/White			
633-226CWSKW015F24FB	YB226CWSKW01-5F24-FB	DPDT ON ON	Green	Green/White			
633-CWSKW015F24FBCUL	YB215CWSKW01-5F24-FB/CUL	SPDT ON(ON)	Green	Green/White			
633-WSKW015F24FBCUL	YB226CWSKW01-5F24-FB/CUL	DPDT ON ON	Green	Green/White			
633-216CWSKW015D24EB	YB216CWSKW01-5D24-EB	SPDT ON ON	Amber	Yellow/White			
633-CWSKW015D24EBCUL	YB216CWSKW01-5D24-EB/CUL	SPDT ON ON	Amber	Yellow/White			
633-YB215CWSKW01NCB	YB215CWSKW01-N-CB	SPDT ON(ON)	No Lamp	Red/White			
633-YB215CWSKW01NFB	YB215CWSKW01-N-FB	SPDT ON(ON)	No Lamp	Green/White			
633-YB215CWSKW01NEB	YB215CWSKW01-N-EB	SPDT ON(ON)	No Lamp	Yellow/White			

NKK Low Profile Pushbutton Switches



Bright LEDs

LED Specifications	Color		
	Red	Amber	Green
Forward peak current	30mA	30mA	25mA
Cont. forward current	20mA	20mA	20mA
Forward voltage	1.85V	2V	2.1V
Reverse peak voltage	5V	5V	5V
Cmt. reduction rate above 25°C	0.40mA/°C	0.42mA/°C	0.46mA/°C
Ambient temp. range	-25°C ~ +50°C		

UB Series Super Bright LEDs

LED Specifications	Color		
	Red	Amber	Green
Forward peak current	25mA	25mA	25mA
Cont. forward current	20mA	20mA	20mA
Forward voltage	3.8V	3.8V	3.8V
Reverse peak voltage	5V	5V	5V
Cmt. reduction rate above 25°C	0.47mA/°C	0.47mA/°C	0.47mA/°C
Ambient temp. range	-25°C ~ +50°C		

UB2 Series Super Bright LEDs

LED Specifications	Color			
	White	Green	Blue	Red/Green
Forward peak current	25mA	25mA	25mA	30/25mA
Cont. forward current	20mA	20mA	20mA	20/20mA
Forward voltage	3.6V	3.5V	3.6V	2.1/3.5V
Reverse peak voltage	5V	5V	5V	4/4V
Cmt. reduction rate above 25°C	0.40mA/°C	0.40mA/°C	0.40mA/°C	0.4/0.33mA/°C
Ambient temp. range	-25°C ~ +50°C			

NKK UB2 SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

Specifications:

- Contacts & ratings: Silver 5A @ 125/250VAC
- Full face and spot illumination caps
- Bright and super bright LEDs
- Solder lug
- Sculptured Caps

* Spot Illumination



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit () = Momentary	Colors			Price Each		
				LED	Cap	Diffuser	1	25	50
633-UB15KKW015CJC-RO	UB15KKW015C-JC	A	SPDT On-(On)	Bright Red	Clear	Red			
633-15KKW015DJD-RO	UB15KKW015D-JD	A	SPDT On-(On)	Bright Amber	Clear	Amber			
633-UB15KKW015FJF-RO	UB15KKW015F-JF	A	SPDT On-(On)	Bright Green	Clear	Green			
633-UB15KKW015CJC-RO	UB15KKW015C-CC	A	SPDT On-(On)	Bright Red	Red	Red			
633-UB15KKW015DDD-RO	UB15KKW015D-DD	A	SPDT On-(On)	Bright Amber	Amber	Amber			
633-UB15KKW015FFF-RO	UB15KKW015F-FF	A	SPDT On-(On)	Bright Green	Green	Green			
633-UB15KKW015CAB-RO	UB15KKW015C-AB	A	SPDT On-(On)	Bright Red	Black	Red*			
633-UB15KKW015DAB-RO	UB15KKW015D-AB	A	SPDT On-(On)	Bright Amber	Black	Amber*			
633-UB15KKW015FAB-RO	UB15KKW015F-AB	A	SPDT On-(On)	Bright Green	Black	Green*			
633-UB16KKW015CJC-RO	UB16KKW015C-JC	A	SPDT On-On	Bright Red	Clear	Red			
633-UB16KKW015FJF-RO	UB16KKW015F-JF	A	SPDT On-On	Bright Green	Clear	Green			
633-UB16KKW015CJC-RO	UB16KKW015C-CC	A	SPDT On-On	Bright Red	Red	Red			
633-UB16KKW015DDD-RO	UB16KKW015D-DD	A	SPDT On-On	Bright Amber	Amber	Amber			
633-UB16KKW015FFF-RO	UB16KKW015F-FF	A	SPDT On-On	Bright Green	Green	Green			
633-UB16KKW015CAB-RO	UB16KKW015C-AB	A	SPDT On-On	Bright Red	Black	Red*			
633-25KKW015CJC-RO	UB25KKW015C-JC	A	DPDT On-(On)	Bright Red	Clear	Red			
633-25KKW015FJF-RO	UB25KKW015F-JF	A	DPDT On-(On)	Bright Green	Clear	Green			
633-25KKW015CJC-RO	UB25KKW015C-CC	A	DPDT On-(On)	Bright Red	Red	Red			
633-25KKW015DDD-RO	UB25KKW015D-DD	A	DPDT On-(On)	Bright Amber	Amber	Amber			
633-UB26KKW015FJF-RO	UB26KKW015F-JF	A	DPDT On-On	Bright Green	Clear	Green			
633-UB26KKW015DAB-RO	UB26KKW015D-AB	A	DPDT On-On	Bright Green	Green	Green			
633-UB26KKW015CAB-RO	UB26KKW015C-AB	A	DPDT On-On	Bright Red	Black	Red			
633-UB26KKW015DAB-RO	UB26KKW015D-AB	A	DPDT On-On	Bright Amber	Black	Amber*			
633-UB15KKW016B-JB	UB15KKW016B-JB	A	SPDT On-(On)	Super Bright White	Clear	White*			
633-UB15KKW016F-JB	UB15KKW016F-JB	A	SPDT On-(On)	Super Bright White	Clear	White			
633-UB15KKW016G-JB	UB15KKW016G-JB	A	SPDT On-(On)	Super Bright Blue	Clear	White			
633-UB16KKW016G-JB	UB16KKW016G-JB	A	SPDT On-On	Super Bright Blue	Clear	White			
633-UB25KKW016B-JB	UB25KKW016B-JB	A	DPDT On-(On)	Super Bright White	Clear	White			
633-UB26KKW016G-JB	UB26KKW016G-JB	A	DPDT On-On	Super Bright Blue	Clear	White			
633-215KKW015C-1JB	UB215KKW015C-1JB	B	SPDT On-(On)	Bright Red	Clear	White			
633-215KKW015D1JB-RO	UB215KKW015D-1JB	B	SPDT On-(On)	Bright Amber	Clear	White			
633-215KKW015F1JB-RO	UB215KKW015F-1JB	B	SPDT On-(On)	Bright Green	Clear	White			
633-215KKW015C1JC-RO	UB215KKW015C-1JC	B	SPDT On-(On)	Bright Red	Clear	Red			
633-215KKW015D1JD-RO	UB215KKW015D-1JD	B	SPDT On-(On)	Bright Amber	Clear	Amber			
633-215KKW015F1JF-RO	UB215KKW015F-1JF	B	SPDT On-(On)	Bright Green	Clear	Green			
633-215KKW016CF-1JB	UB215KKW016CF-1JB	B	SPDT On-(On)	Super Bright R/G	Clear	White			
633-216KKW015C1JB-RO	UB216KKW015C-1JB	B	SPDT On-On	Bright Red	Clear	White			
633-216KKW015B1JB-RO	UB216KKW015B-1JB	B	SPDT On-On	Bright Green	Clear	White			
633-216KKW015C1JC-RO	UB216KKW015C-1JC	B	SPDT On-On	Bright Red	Clear	Red			
633-216KKW015D1JD-RO	UB216KKW015D-1JD	B	SPDT On-On	Bright Amber	Clear	Amber			
633-225KKW015C1JB-RO	UB225KKW015C-1JB	B	DPDT On-(On)	Bright Red	Clear	White			
633-225KKW015F1JB-RO	UB225KKW015F-1JB	B	DPDT On-(On)	Bright Green	Clear	White			
633-225KKW015F1JF-RO	UB225KKW015F-1JF	B	DPDT On-(On)	Bright Green	Clear	Green			
633-226KKW015C1JB-RO	UB226KKW015C-1JB	B	DPDT On-On	Bright Red	Clear	White			
633-226KKW015D1JB-RO	UB226KKW015D-1JB	B	DPDT On-On	Bright Amber	Clear	White			
633-226KKW015F1JB-RO	UB226KKW015F-1JB	B	DPDT On-On	Bright Green	Clear	White			
633-226KKW015C1JC-RO	UB226KKW015C-1JC	B	DPDT On-On	Bright Red	Clear	Red			
633-226KKW015D1JD-RO	UB226KKW015D-1JD	B	DPDT On-On	Bright Amber	Clear	Amber			
633-226KKW015F1JF-RO	UB226KKW015F-1JF	B	DPDT On-On	Bright Green	Clear	Green			
633-215KKW016B1JB-RO	UB215KKW016B-1JB	B	SPDT On-(On)	Super Bright White	Clear	White			
633-215KKW016G1JB-RO	UB215KKW016G-1JB	B	SPDT On-(On)	Super Bright Blue	Clear	White			
633-216KKW016B1JB-RO	UB216KKW016B-1JB	B	SPDT On-On	Super Bright White	Clear	White			
633-216KKW016G1JB-RO	UB216KKW016G-1JB	B	SPDT On-On	Super Bright Blue	Clear	White			
633-226KKW016B1JB-RO	UB226KKW016B-1JB	B	DPDT On-On	Super Bright White	Clear	White			
633-226KKW016F1JB-RO	UB226KKW016F-1JB	B	DPDT On-On	Super Bright Green	Clear	White			
633-226KKW016G1JB-RO	UB226KKW016G-1JB	B	DPDT On-On	Super Bright Blue	Clear	White			

DIMENSIONS: in.

A

Transparent Cap
Colored Diffuser
Black w/Spot Illumination

B

Clear Lens
Colored Diffuser

C

NKK Pushbutton Switches

NKK UB SERIES: LOW PROFILE NON-ILLUMINATED PUSHBUTTONS

- Contacts ratings: Silver 5A @ 125/250VAC
Gold 0.4VA max @ 28VAC/DC max.
- Solder lug

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit (SPDT)	Contacts	Cap Color	Price Each			
						1	25	50	100
633-UB15KKW01N-A	UB15KKW01N-A	C	SPDT On-(On)	Silver	Black				
633-UB15KKW01N-B	UB15KKW01N-B	C	SPDT On-(On)	Silver	White				
633-UB15KKW01N-C	UB15KKW01N-C	C	SPDT On-(On)	Silver	Red				
633-UB16KKW01N-A	UB16KKW01N-A	C	SPDT On-On	Silver	Black				
633-UB16KKW01N-C	UB16KKW01N-C	C	SPDT On-On	Silver	Red				
633-UB15KKG01N-A	UB15KKG01N-A	C	SPDT On-(On)	Gold	Black				
633-UB15KKG01N-C	UB15KKG01N-C	C	SPDT On-(On)	Gold	Red				
633-UB16KKG01N-B	UB16KKG01N-B	C	SPDT On-(On)	Gold	White				

NKK's SmartSwitch™ programmable LCD and OLED switches offer designers new, expansive options. NKK's SmartSwitch™ technology is suited for a wide variety of applications, displaying industry specific text and graphics with real-time sequencing. Complex switching can be attained when the switches are used in ganged or grouped fashion to facilitate sequential functions. The SmartSwitch™ simplifies and improves complex, multi-decision operations. NKK Switches' SmartSwitch™ can be programmed to display an infinite variety of text, graphics or moving images.

Features:

- Programmable to display graphics, alphanumeric characters and animated sequences
- Integrated liquid crystal display provides wide viewing angle with high contrast and clarity
- All switches are SPST, momentary ON, gold contacts, and straight PC terminals

NKK SMARTSWITCH™ DEVELOPMENT KITS

This enables engineers to easily test their programs on actual pushbuttons and displays. Engineers can then present their concepts and product ideas to colleagues and clients. Development kits include the following supplied hardware: logic board, controller, power supply and cable.

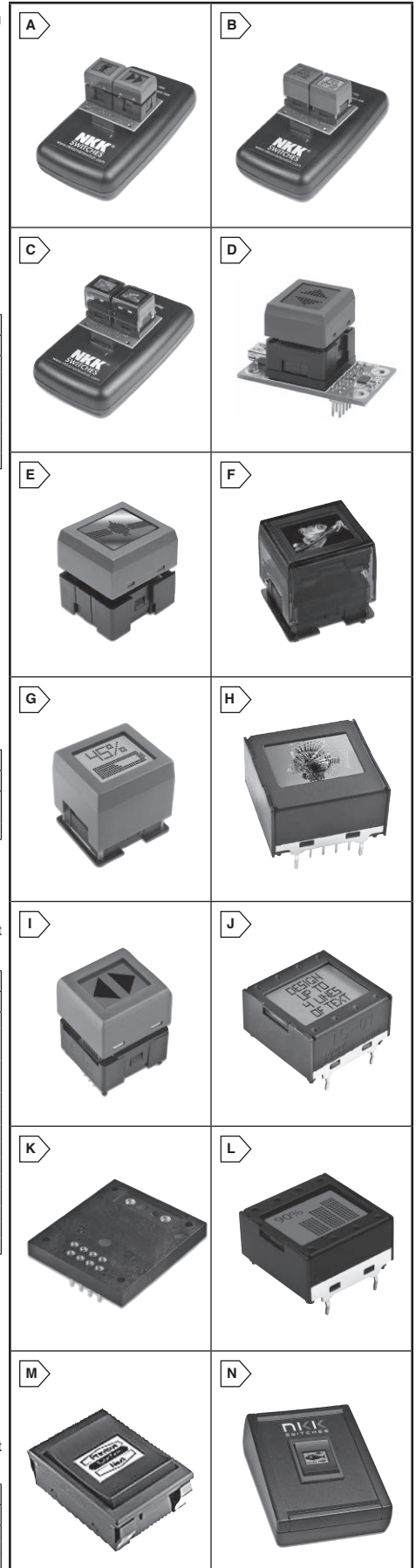
Features

- SmartSwitch™ development kits are a cost effective tool for rapidly prototyping new design ideas
- Engineers can present their concepts and product ideas to colleagues and clients

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	5
* 633-IS-DEVKIT-5	IS-DEV KIT-5	A	(2) IS15ABFP4RGB PB with supplied hardware		
633-IS-DEVKIT-5C	IS-DEV KIT-5C	A	(2) IS15SBFP4RGB compact PB with supplied hardware		
633-IS-DEVKIT-5D	IS-DEV KIT-5D	A	(2) IS01BFRGB displays with supplied hardware		
** 633-IS-DEVKIT-6	IS-DEV KIT-6	B	(2) IS15DBFP4RGB PB with supplied hardware		
633-IS-DEVKIT-6D	IS-DEV KIT-6D	B	(2) IS01DBFRGB displays with supplied hardware		
633-IS-DEVKIT-7	IS-DEV KIT-7	C	(2) ISC15ANP4 OLED PB with supplied hardware		
633-IS-DEVKIT-7D	IS-DEV KIT-7D	C	(2) ISC01P OLED displays with supplied hardware		

* Kit 5 is for the LCD 36x24 **: Kit 6 is for the LCD 64x32



NKK SMARTSWITCH™ DEMONSTRATION KITS

The NKK SmartSwitch™ demonstration kits are used to display bitmaps, up to 64 bitmaps, that have been created via the user's PC. These kits are supplied with a red/green LCD module, software, USB cable and programming instructions. Once downloaded, the bitmaps can be displayed and advanced by means of the address control lines without the need of a PC. These kits can be incorporated into your end product as the PCB has been designed with allowance for standoffs. Both units can be made portable by using the battery box which is sold separately.

Features

- Can be programmed on line or through stand-alone software provided on CD
- LCD can be interchanged to meet user's specific color application once designed in

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	10
633-IS-DEMKIT-1	IS-DEM KIT-1	D	(1) IS15AACP4CF PB with supplied hardware		
633-IS-DEMKIT-2	IS-DEM KIT-2	D	(1) IS01BCCF display with supplied hardware		
633-AT9946	AT9946	-	Battery Box		

NKK SMARTSWITCH™, SWITCHES, DISPLAYS AND SOCKETS



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	25
633-IS15ABFP4RGB	IS15ABFP4RGB	E	LCD 36 x 24 PB with RGB LED		
633-IS15ABCP4CF	IS15ABCP4CF	E	LCD 36 x 24 PB with red/green super bright LED		
633-ISC15ANP4	ISC15ANP4	F	OLED PB 64RGB x 48		
633-IS15DBFP4RGB	IS15DBFP4RGB	G	LCD 64 x 32 hi-res PB with RGB LED		
633-ISC01P	ISC01P	H	OLED display 52RGB x 36		
633-IS15SBFP4CF	IS15SBFP4CF	I	LCD 36 x 24 compact PB w/ red/green super bright LED		
633-IS15SBFP4RGB	IS15SBFP4RGB	I	LCD 36 x 24 compact PB with RGB LED		
633-IS15DSBFP4RGB	IS15DSBFP4RGB	J	LCD 64 x 32 compact PB with RGB LED		
633-IS01DBFRGB	IS01DBFRGB	I	LCD 64 x 32 display with RGB LED		
633-AT9704-085K	AT9704-085K	K	Socket for 64 x 32 PB		
633-AT9704-085L	AT9704-085L	K	Socket for OLED PB		
633-AT9704-065E	AT9704-065E	K	Socket for 36 x 24 PB with RGB LED		
633-AT9704-065F	AT9704-065F	K	Socket for 36 x 24 compact PB		
633-IS01BCCF	IS01BCCF	L	LCD 36 x 24 display with red/green super bright LED		
633-IS01BFRGB	IS01BFRGB	L	LCD 36 x 24 display with RGB LED		

NKK SMARTSWITCH™ OLED ROCKER

Features

- Rocker Switch with Built - In OLED Display
- IP64 Dust & Water Protection
- Controller on Board/SPI
- Largest Smartswitch Display Area
- Up to 8 Lines with 16 Characters Each
- 180° Viewing Angle

Specifications:

- Operating Temperature: -20°C to +70°C
- Display Life: 52,000 hrs. at 30% illumination
- Mechanical /Electrical Life: 1,000,000 actuations min.
- SP3T Momentary



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	25
633-IS18WWC1W	IS18WWC1W	M	OLED Monochrome Rocker SP3T		
633-IS18WWC1W-K	IS18WWC1W-K	M	Design Kit		
633-IS-DEV-KIT-8	IS-DEV KIT-8	N	Development kit w/ 1 OLED Rocker		

Pushbutton Switches NKK

SCHURTER Sealed, Double Pole & Latching Switches SCHURTER



This product is RoHS compliant.

ELECTRONIC COMPONENTS

SCHURTER MSM19, MSM22 AND MSM30 SERIES: METAL PUSHBUTTON SWITCH WITH SEALED MICROSWITCH

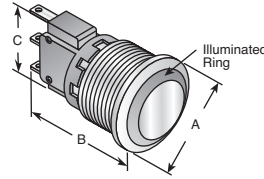
The MSM SPDT has seal protection to the front of the actuator, as well as to the panel with a sealing o-ring. An IP 67 microswitch option has been added, which provides an integrated seal between the actuator and the microswitch, as well as around the switch terminals. The completely sealed switching unit can be used in adverse conditions when increased humidity, condensation or water seeps in through openings in the equipment housing.

Specifications:

- Contact material: Silver
- Lifetime: 200,000 cycles
- Max switching voltage: 125VAC/250VAC
- Actuation force: 3.7N
- Max switching current: 5A/3A
- Degree of protection: IP 67
- Contact form: SPDT

Benefits:

- Stainless steel housing is vandal resistant
- IP67 complete seal protection from front and back protects microswitch from affects of moisture
- High shock resistance temperature range and IP67 seal protection for outdoor installation
- Point and ring illumination – red, green & blue
- Access to applications up to 250VAC standard and customized lettering available



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6621.1180	1241.6621.1180000	None	19mm	ø22	33.4	20				
693-1241.6624.1181	1241.6624.1181000	Ring, Red	19mm	ø22	33.4	20				
693-1241.6631.1180	1241.6631.1180000	None	22mm	ø25	33.4	20				
693-1241.6634.1181	1241.6634.1181000	Ring, Red	22mm	ø25	33.4	20				
* 693-1241.6661.1170	1241.6661.1170000	None	30mm	ø34	35.0	20				

SCHURTER MSM19, MSM22 AND MSM30 SERIES: METAL PUSHBUTTON SWITCH WITH DOUBLE POLE CONTACTS

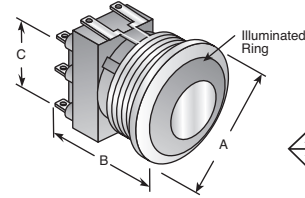
The new MSM DPDT momentary switch is designed with two separate switching contacts. The contacts can be used as normally open, normally closed or as change-over. The MSM DP is ideal for switching primary and secondary circuits where an additional set of contacts is required for an auxiliary function. In other applications, the MSM double pole can be installed to operate only when depressed and held by an operator.

Specifications:

- Max switching voltage: 125VAC/250VAC
- Contact form: DPDT
- Actuation force: 5.8N
- Max switching current: 5A/3A
- Lifetime: 200,000 cycles
- Degree of protection: IP67 (front)

Benefits:

- Stainless steel housing is vandal resistant
- High Shock Resistance
- Double pole – two separate switching contacts
- Temperature and IP67 protection rated for outdoor installation
- Point and ring illumination – red, green & blue
- Quick connect terminals
- Access to applications up to 250VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6921.1120	1241.6921.1120000	None	19	ø22	39.15	22.80				
* 693-1241.6922.1120	1241.6922.1120000	With Lettering	19	ø22	39.15	22.80				
693-1241.6923.1121	1241.6923.1121000	Point, Red	19	ø22	39.15	25.80				
693-1241.6923.1122	1241.6923.1122000	Point, Green	19	ø22	39.15	25.80				
693-1241.6923.1124	1241.6923.1124000	Point, Blue	19	ø22	39.15	25.80				
693-1241.6924.1121	1241.6924.1121000	Ring, Red	19	ø22	39.15	25.80				
693-1241.6924.1122	1241.6924.1122000	Ring, Green	19	ø22	39.15	25.80				
693-1241.6924.1124	1241.6924.1124000	Ring, Blue	19	ø22	39.15	25.80				
693-1241.6931.1120	1241.6931.1120000	None	22	ø25	39.15	22.80				
* 693-1241.6932.1120	1241.6932.1120000	With Lettering	22	ø25	39.15	22.80				
693-1241.6933.1121	1241.6933.1121000	Point, Red	22	ø25	39.15	25.80				
693-1241.6933.1122	1241.6933.1122000	Point, Green	22	ø25	39.15	25.80				
693-1241.6933.1124	1241.6933.1124000	Point, Blue	22	ø25	39.15	25.80				
693-1241.6934.1121	1241.6934.1121000	Ring, Red	22	ø25	39.15	25.80				
693-1241.6934.1124	1241.6934.1124000	Ring, Blue	22	ø25	39.15	25.80				
693-1241.6961.1120	1241.6961.1120000	None	30	ø34	39.15	22.80				
* 693-1241.6962.1120	1241.6962.1120000	With Lettering	30	ø34	39.15	22.80				
693-1241.6963.1121	1241.6963.1121000	Point, Red	30	ø34	39.15	25.80				
693-1241.6964.1121	1241.6964.1121000	Ring, Red	30	ø34	39.15	25.80				
693-1241.6964.1122	1241.6964.1122000	Ring, Blue	30	ø34	39.15	25.80				

SCHURTER MSM19 AND MSM22 SERIES: METAL PUSHBUTTON SWITCH WITH LATCHING ACTION

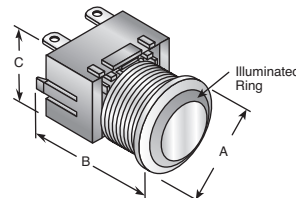
The new MSM LA offers latching-action (ON/OFF) actuation for use in primary or secondary switching applications. It is rated 30VDC up to 250VAC with a maximum switching current of 12 amps, and features two isolated contacts for 1- or 2- pole switching functions. The switch provides mechanical indication when in the ON and OFF positions. The actuator is raised above the switch housing in the resting OFF state and is recessed into the housing when depressed to switch ON. The distinct difference in position makes the mode of operation immediately evident. It also prevents inadvertent switching; for instance in the event persons or objects lean on the switch. The version with ring illumination can be used for optical indication of the switching status in the ON or OFF state. Illuminating the switch in the OFF state is ideal for locating it in dark areas or where the ambient light is less than optimal. Due to the raised actuator, a 180° lateral view of the switch is possible.

Specifications:

- Max switching voltage: 30VDC/250VAC
- Contact form: DPDT
- Actuation force: 10N
- Max switching current: 0.1A/12A
- Lifetime: 50,000 cycles, 8A @ 250VAC
- Degree of protection: IP67 (front)

Benefits:

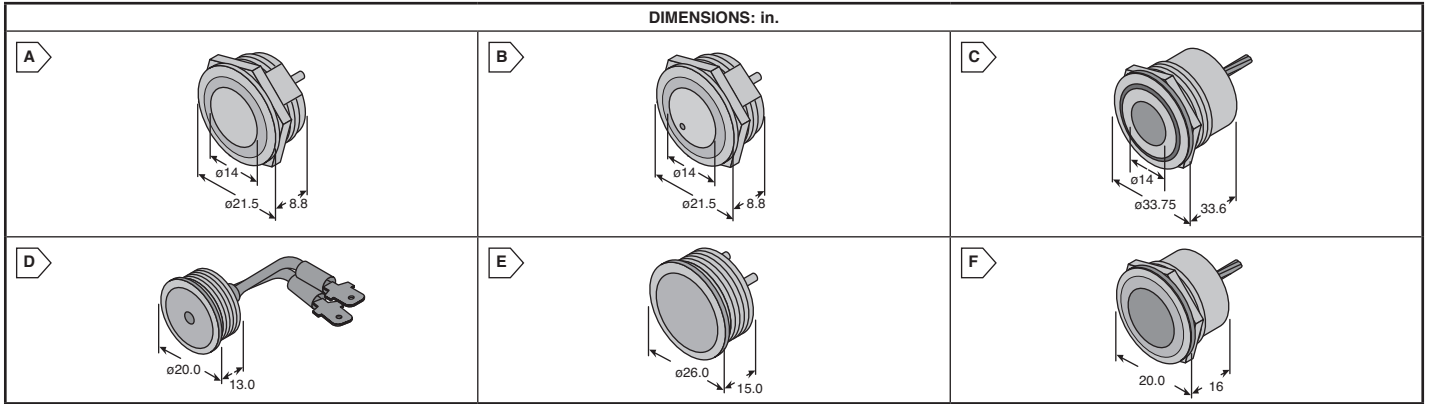
- Latching action for ON/OFF switching
- Wide temperature range rated for outdoor installation
- Mechanical indication of operational status - actuator raised above housing when OFF and recessed when ON
- IP67 seal protection rating against jetting water
- Double pole (DPDT) – Two separate switching contacts for a variety of applications
- Wide range of switching voltage and current: 30VDC to 250VAC and 0.1A to 12A.
- Stainless steel housing is vandal resistant
- Ring illumination may be installed to indicate OFF or ON state
- High shock resistance
- Ring illumination in OFF state offers 180° lateral viewing angle
- Ring illumination - red, green or blue



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6821.1120	1241.6821.1120000	None	19mm	ø22	43.90	22				
693-1241.6821.111000	1241.6821.1110000	None	19mm	ø22	43.90	22				
693-1241.6823.111100	1241.6823.1111000	Point, Red	19mm	ø22	43.90	22				
693-1241.6823.111200	1241.6823.1112000	Point, Green	19mm	ø22	43.90	22				
693-1241.6823.111400	1241.6823.1114000	Point, Blue	19mm	ø22	43.90	22				
693-1241.6824.111100	1241.6824.1111000	Ring, Red	19mm	ø22	43.90	22				
693-1241.6824.111200	1241.6824.1112000	Ring, Green	19mm	ø22	43.90	22				
693-1241.6824.111400	1241.6824.1114000	Ring, Blue	19mm	ø22	43.90	22				
693-1241.6824.1121	1241.6824.1121000	Ring, Red	19mm	ø22	43.90	22				
693-1241.6824.1122	1241.6824.1122000	Ring, Green	19mm	ø22	43.90	22				
693-1241.6824.1124	1241.6824.1124000	Ring, Blue	19mm	ø22	43.90	22				
693-1241.6831.1120	1241.6831.1120000	None	22mm	ø25	43.90	22				
693-1241.6831.111000	1241.6831.1110000	None	22mm	ø25	43.90	22				
693-1241.6834.111100	1241.6834.1111000	Ring, Red	22mm	ø25	43.90	22				
693-1241.6834.111200	1241.6834.1112000	Ring, Green	22mm	ø25	43.90	22				
693-1241.6834.111400	1241.6834.1114000	Ring, Blue	22mm	ø25	43.90	22				
693-1241.6834.1121	1241.6834.1121000	Ring, Red	22mm	ø25	43.90	22				
693-1241.6834.1122	1241.6834.1122000	Ring, Green	22mm	ø25	43.90	22				
693-1241.6834.1124	1241.6834.1124000	Ring, Blue	22mm	ø25	43.90	22				

DIMENSIONS: in.



SCHURTER VANDAL-PROOF MECHANICAL SWITCHES

Specifications:

- Contact material: Silver
- Max switching voltage: 48VDC
- Max switching current: 125mA
- Lifetime: 1,000,000 cycles
- Switching function: N.O.
- Actuation force: 3.7 N
- LED forward voltage: Red - 1.6V; green - 2.0V; yellow - 2.0V
- LED forward current: All colors = 20mA
- All switches supplied with nut and o-ring seal

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Material	Actuator Material	Terminals	Price Each			
								1	10	25	50
693-1241.2800	1241.2800	A	N/A	19mm	Zinc diecast	Zinc diecast	Pins				
693-1241.2855	1241.2855	B	Spot Red	19mm	Zinc diecast	Stainless steel	Pins w/ solder aid				
693-1241.2856	1241.2856	B	Spot Green	19mm	Zinc diecast	Stainless steel	Pins w/ solder aid				
693-1241.2857	1241.2857	B	Spot Yellow	19mm	Zinc diecast	Stainless steel	Pins w/ solder aid				
693-1241.2858	1241.2858	B	Spot Red/Green	19mm	Zinc diecast	Stainless steel	Pins w/ solder aid				
693-1241.2859	1241.2859	B	Spot Blue	19mm	Zinc diecast	Stainless steel	Pins w/ solder aid				
693-1241.6400	1241.6400	C	Ring Red	30mm	Aluminum	Zinc diecast	Wire				
693-1241.6401	1241.6401	C	Ring Green	30mm	Aluminum	Zinc diecast	Wire				
693-1241.6402	1241.6402	C	Ring Yellow	30mm	Aluminum	Zinc diecast	Wire				
693-1241.6403	1241.6403	C	Ring Red/Green	30mm	Aluminum	Zinc diecast	Wire				

SCHURTER VANDAL-PROOF INDICATORS

Specifications:

- Supplied with nut and o-ring seal
- Indicator only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1241.3034.M	1241.3034.M	D	Spot Green	16mm	Aluminum natural	Anodized Aluminum	Faston				
693-1241.3035	1241.3035	D	Spot Yellow	16mm	Aluminum natural	Anodized Aluminum	Faston				
693-1241.3036	1241.3036	D	Spot Red	16mm	Red	Anodized Aluminum	Faston				

SCHURTER VANDAL-PROOF PIEZO SWITCHES

Specifications:

- Max switching voltage: 42VAC
- Max switching current: 100 mA
- Capacity: 30pF
- Switching function: N.O.
- Lifetime: 20,000,000 cycles
- Min. actuating force: 1.5N
- All switches supplied with nut and o-ring seal

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1241.3008	1241.3008	E	N/A	22mm	Aluminum natural	Anodized Aluminum	Pins				
693-1241.3005	1241.3005	E	N/A	22mm	Red	Anodized Aluminum	Pins				
693-1241.3006	1241.3006	E	N/A	22mm	Green	Anodized Aluminum	Pins				

SCHURTER VANDAL-PROOF CAPACITIVE SWITCHES

Specifications:

- Max switching voltage: 7VDC-24VDC
- Max switching current: 175mA
- All switches supplied with nut and o-ring seal
- Lifetime: 1,000,000 cycles
- Input current (irrespective of LEDs): 5V - 2mA not in action/3mA in action; 12V - 2mA not in action/ 6mA in action; 24V - 4mA not in action/8mA in action

Features:

- Pressure-free operation of input systems due to no actuation force
- IP67 degree of protection

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Switching Type	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1243.1218.1.1	1243.1218.1.1	F	Red	16 mm	Latching	Aluminum	210mm wire				
693-1243.1318.1.1	1243.1318.1.1	F	Red	16 mm	Momentary	Aluminum	210mm wire				
693-1243.1118.1.1	1243.1118.1.1	F	Red	16 mm	Impulse	Aluminum	210mm wire				
693-1243.1118.2.1	1243.1118.2.1	F	Green	16 mm	Impulse	Aluminum	210mm wire				

SCHURTER MSM16, MSM19 AND MSM22 SERIES: VANDAL-PROOF MOMENTARY MECHANICAL SWITCHES

The robust vandal-proof MSM switch has a high shock resistance and an extremely flat front construction of only 1.7mm. Housing and actuator are made of top-quality stainless steel. The MSM is designed for quick mounting: the wires are simply plugged onto the quick connect terminals of the detachable contact module. Then the module is snapped into the switch, which is simply mounted beforehand. There are variants with point or ring illumination for night applications or for optical status indications.

Specifications:

- Contact material: Silver
- Max. switching voltage: 125VAC
- Max. switching current: 5A
- Contact form: SPDT
- Lifetime: 200,000 cycles
- Actuation force: 4.5 N
- IP67 protected

Benefits:

- High shock resistance
- Pleasant tactile feeling
- Flat front design
- Easy mounting
- Made of top-quality stainless steel

LED Characteristics:

- LED forward voltage: Red - 1.6V; Green - 2.0V, Blue-3.2V
- LED forward current: Red/Green - 40mA, Blue-20mA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Price Each			
					1	10	25	50
693-1241.6611.1120	1241.6611.1120000	A	None	16mm				
693-1241.6621.1120	1241.6621.1120000	B	None	19mm				
693-1241.6623.1120	1241.6623.1121000	C	Point, Red	19mm				
693-1241.6623.1122	1241.6623.1122000	C	Point, Green	19mm				
693-1241.6623.1124	1241.6623.1124000	C	Point, Blue	19mm				
693-1241.6624.1121	1241.6624.1121000	D	Ring, Red	19mm				
693-1241.6624.1122	1241.6624.1122000	D	Ring, Green	19mm				
693-1241.6624.1124	1241.6624.1124000	D	Ring, Blue	19mm				
693-1241.6631.1120	1241.6631.1120000	E	None	22mm				
693-1241.6633.1124	1241.6633.1124000	F	Point, Blue	22mm				
693-1241.6634.1121	1241.6634.1121000	G	Ring, Red	22mm				
693-1241.6634.1122	1241.6634.1122000	G	Ring, Green	22mm				
693-1241.6634.1124	1241.6634.1124000	G	Ring, Blue	22mm				

SCHURTER MSM30 SERIES: VANDAL-PROOF MOMENTARY MECHANICAL SWITCHES

The new MSM30 offers the same robust characteristics as its smaller counterparts, only it has a larger, ergonomically designed, actuating area of 30mm for superb tactile feel. The MSM30 is ideal for systems where a large actuating area is required for operation, information and vending systems, dashboards, consoles and broadcasting systems.

Specifications:

- Insulation resistance: 100,000kΩ
- Contact bounce time: < 5ms
- Lifetime (rated braking capacity): 0.1A/3A = 200,000 cycles
10A = 50,000 cycles

Benefits:

- High shock resistance
- Pleasant tactile feeling
- Flat front design
- Easy mounting
- Made of top-quality stainless steel

LED Characteristics:

- LED forward voltage: Red - 1.6V; Green - 2.0V, Blue-3.2V
- LED forward current: Red/Green - 40mA, Blue-20mA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illum.	Contact Material	Switching (Max)		Breaking Capacity	Price Each			
					Current	Voltage		1	10	25	50
Standard											
693-1241.6661.1110	1241.6661.1110000	H	None	Gold	0.1A	30V	3W				
693-1241.6661.1120	1241.6661.1120000	H	None	Silver	3A	125V	1250W				
With Illumination											
693-1241.6663.1111	1241.6663.1111000	I	Point, Red	Gold	100mA	30V	3W				
693-1241.6663.1131	1241.6663.1131000	I	Point, Red	Silver	10A	250V	2500W				
693-1241.6663.1132	1241.6663.1132000	I	Point, Green	Silver	10A	250V	2500W				
693-1241.6664.1111	1241.6664.1111000	J	Ring, Red	Gold	100mA	30V	3W				
693-1241.6664.1112	1241.6664.1112000	J	Ring, Green	Gold	100mA	30V	3W				
693-1241.6664.1121	1241.6664.1121000	J	Ring, Red	Silver	5A	125V	1250W				
693-1241.6664.1122	1241.6664.1122000	J	Ring, Green	Silver	5A	125V	1250W				
693-1241.6664.1124	1241.6664.1124000	J	Ring, Blue	Silver	5A	125V	1250W				
693-1241.6664.1131	1241.6664.1131000	J	Ring, Red	Silver	10A	250V	2500W				
693-1241.6664.1132	1241.6664.1132000	J	Ring, Green	Silver	10A	250V	2500W				

SCHURTER PSE M22R SERIES: VANDAL-PROOF MOMENTARY PIEZO SWITCHES

This new piezo switch has been specifically designed for applications in hostile environments. Its vandal-proof housing with a compact M22 metric thread screw socket encloses a powerful ring illumination, which is available in a choice of one or two colors and can be attached to a 12V or 24V power supply. It can be ordered complete with Molex connector or wires.

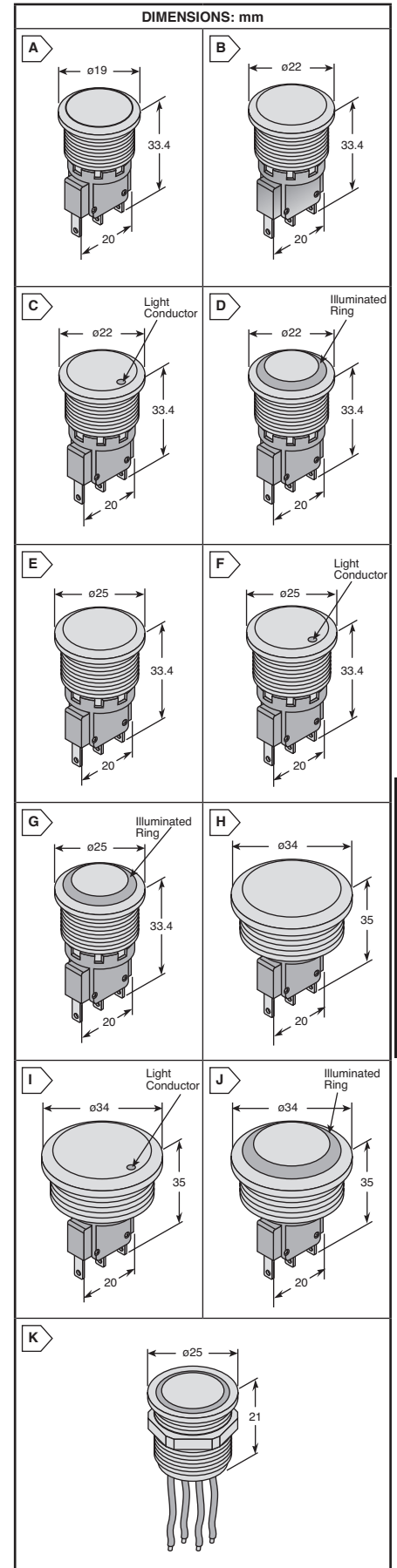
Specifications:

- Contact material: Aluminum natural
- Switching current: 0.1A
- Switching capacity max: 1W

- Actuation force: 1.5N - 3.0N
- IP67 protected

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Illumination Voltage	Terminals	Switching Volt. Max	Price Each			
							1	10	25	50
693-1241.3256	1241.3256	K	Red	24V	Wire	60V				
693-1241.3257	1241.3257	K	Green	24V	Wire	60V				
693-1241.3258	1241.3258	K	Red/Green	24V	Wire	60V				



SHIN CHIN Pushbutton Switches



Specifications:

- Contact resistance: 50mΩ max. • Insulation Resistance: 500VDC 100MΩ min.



This product is RoHS compliant.

Rating: 6A/125VAC, 3A/250VAC

- Terminal type: Solder

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Cap Color	Price Each			
						1	50	100	500
112-PA106A1-B/BL	PA106A1-UB	A	SPDT	On-(On)	Black				
112-R13-507A-B/B	R13-507A-05-BB	B	SPST	Off-(On)	Black				
112-R13-507A-R/B	R13-507A-05-BR	B	SPST	Off-(On)	Red				
112-R13-551A1-B	R13-551A1-05-B	C	SPST	Off-(On)	Black				
112-R13-551A1-R	R13-551A1-05-R	C	SPST	Off-(On)	Red				
112-R13-551A1-G	R13-551A1-05-G	C	SPST	Off-(On)	Green				

Rating: 3A/125VAC, 1.5A/250VAC

- Terminal type: Solder

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Cap Color	Price Each			
						1	50	100	500
112-R13-23A-R	R13-23A-05-BR	D	SPST	Off-(On)	Red				
112-R13-23B-B	R13-23B-05-BB	D	SPST	Off-On	Black				
112-R13-23B-R	R13-23B-05-BR	D	SPST	Off-On	Red				
112-R13-24A-B	R13-24A-05-BB	E	SPST	Off-(On)	Black				
112-R13-24A-R	R13-24A-05-BR	E	SPST	Off-(On)	Red				
112-R13-24A-W	R13-24A-05-BW	E	SPST	Off-(On)	White				
112-R13-40A-B	R13-40A-05-BB	F	SPST	Off-(On)	Black				
112-R13-40A-R	R13-40A-05-BR	F	SPST	Off-(On)	Red				
112-R13-40B-B	R13-40B-05-BB	F	SPST	Off-On	Black				
112-R13-40B-R	R13-40B-05-BR	F	SPST	Off-On	Red				
112-R13-502A-B/B	R13-502A-05-BB	G	SPST	Off-(On)	Black				
112-R13-502A-G/B	R13-502A-05-BG	G	SPST	Off-(On)	Green				
112-R13-502A-R/B	R13-502A-05-BR	G	SPST	Off-(On)	Red				
112-R13-502MA-B/B	R13-502MA-05-BB	G	SPST	Off-(On)	Black				
112-R13-502MA-G/B	R13-502MA-05-BG	G	SPST	Off-(On)	Green				
112-R13-502MA-R/B	R13-502MA-05-BR	G	SPST	Off-(On)	Red				
112-R13-502MA-Y/B	R13-502MA-05-BY	G	SPST	Off-(On)	Yellow				
112-R13-502MC-B/B	R13-502MC-05-BB	H	SPDT	On-(On)	Black				
112-R13-508A-B	R13-508A-05-BB	I	SPST	Off-(On)	Black				
112-R13-508AL-R	R13-508AL-05-BRR-L3	I	SPST	Off-(On)	Illum. Red				
112-R13-510A-B	R13-510A-05-BB	J	SPST	Off-(On)	Black				
112-R13-510A-R	R13-510A-05-BR	J	SPST	Off-(On)	Red				
112-R13-511A-R	R13-511A-05-BR	K	SPST	Off-(On)	Red				
112-R13-512A1-BB	R13-512A1-05-BB	L	SPST	Off-(On)	Black				
112-R13-512A1-BR	R13-512A1-05-BR	L	SPST	Off-(On)	Red				
112-R13-512A2-BB	R13-512A2-05-BB	M	SPST	Off-(On)	Black				
112-R13-512A2-BR	R13-512A2-05-BR	M	SPST	Off-(On)	Red				
112-R13-512B1-BB	R13-512B1-05-BB	L	SPST	Off-On	Black				
112-R13-512B1-BR	R13-512B1-05-BR	L	SPST	Off-On	Red				
112-R13-512B2-BB	R13-512B2-05-BB	M	SPST	Off-On	Black				
112-R13-512B2-BR	R13-512B2-05-BR	M	SPST	Off-On	Red				
112-R13-523BL-G-12V	R13-523BL-05-BGG-L1	N	SPST	Off-On	Illum. Green				
112-R13-548A-BR	R13-548A-05-BR	O	SPST	(On)-Off	Red				
112-R13-548AL-BRR	R13-548AL-05-BRR	O	SPST	(On)-Off	Illum. Red				
112-R13-548B-BR	R13-548B-05-BR	O	SPST	On-Off	Red				
112-R13-548BL-BRR	R13-548BL-05-BRR	O	SPST	On-Off	Illum. Red				

Rating: 1A/125VAC, 1.5A/250VAC

- Terminal type: Solder

For quantities greater than listed, call for quote.

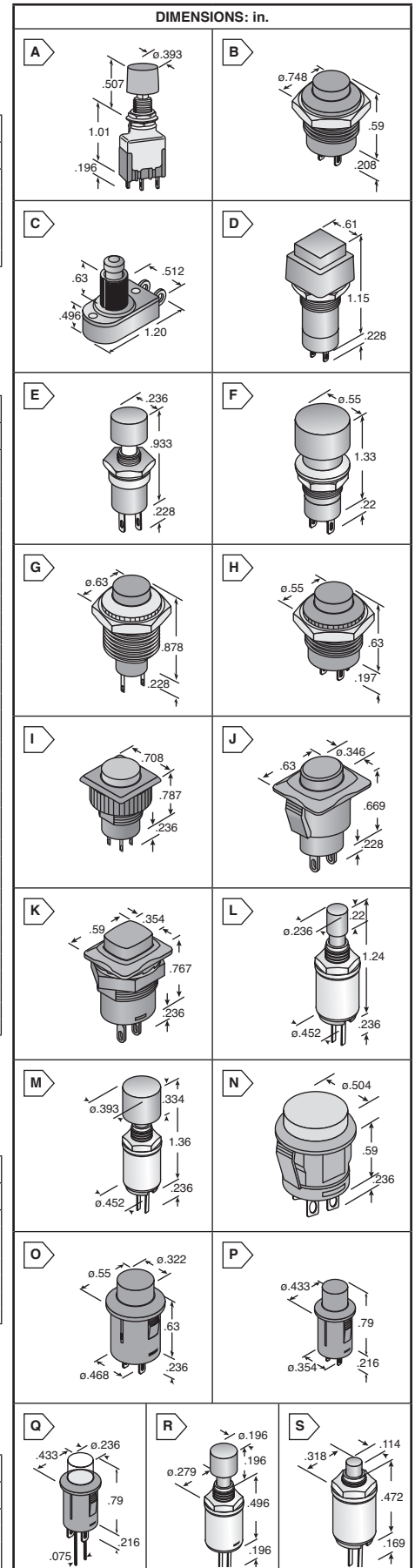
MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Cap Color	Price Each			
						1	50	100	500
112-R13-529A-BR	R13-529A-05-BR	P	SPST	Off-(On)	Red				
112-R13-529A-BG	R13-529A-05-BG	P	SPST	Off-(On)	Green				
112-R13-529AL-BRR	R13-529AL-05-BRR	Q	SPST	Off-(On)	Illum. Red				
112-R13-529AL-BGG	R13-529AL-05-BGG	Q	SPST	Off-(On)	Illum. Green				
112-R13-529B-BR	R13-529B-05-BR	P	SPST	Off-On	Red				
112-R13-529BL-BRR	R13-529BL-05-BRR	Q	SPST	Off-On	Illum. Red				
112-R13-529BL-BGG	R13-529BL-05-BGG	Q	SPST	Off-On	Illum. Green				

Rating: 0.5A/125VAC

- Terminal type: PC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Cap Color	Price Each			
						1	50	100	500
112-R13-521B-BB	R13-521B-09-BB	R	SPST	Off-(On)	Black				
112-R13-521B-BR	R13-521B-09-BR	R	SPST	Off-(On)	Red				
112-R13-81-B	R13-81A-09-B	S	SPST	Off-(On)	Black				
112-R13-81-R	R13-81A-09-R	S	SPST	Off-(On)	Red				



Pushbutton Switches Shin Chin

ALCOSWITCH Toggle Switches

RoHS Compliant This product is RoHS compliant.

A SERIES (GEMINI SERIES) MINIATURE TOGGLE SWITCHES

Specifications:

- Contact rating: Gold - 0.4VA @ 20 VAC/DC; silver - 2A @ 250VAC; 5A @ 125VAC
- Terminal seal: Epoxy
- Case material: Thermoset
- Contact timing: Break before make
- Actuation force: Momentary - 950g max.; maintained - 1750g max.
- Actuator travel: 25°
- Life expectancy: 30,000 cycles

() Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	TE Part No.	Fig.	Type	Circuit	Price Each		
						1	10	25
Standard Actuator; Silver Contact Material: Wire Lug								
506-A101SYZQ04	A101SYZQ04	4-1825136-9	A	SPDT	On-None-On			
506-A103SYZQ04	A103SYZQ04	2-1825137-0	A	SPDT	On-Off-On			
506-A105SYZQ04	A105SYZQ04	3-1825137-9	A	SPDT	(On)-Off-(On)			
506-A107SYZQ04	A107SYZQ04	5-1825137-2	A	SPDT	On-Off-(On)			
506-A108SYZQ04	A108SYZQ04	6-1825136-4	A	SPDT	On-None-(On)			
506-A201SYZQ04	A201SYZQ04	2-1825138-8	B	DPDT	On-None-On			
506-A203SYZQ04	A203SYZQ04	1-1825139-0	B	DPDT	On-Off-On			
506-A205SYZQ04	A205SYZQ04	1-1825139-8	B	DPDT	(On)-Off-(On)			
506-A207SYZQ04	A207SYZQ04	2-1825139-4	B	DPDT	On-Off-(On)			
506-A208SYZQ04	A208SYZQ04	3-1825138-8	B	DPDT	On-None-(On)			
Standard Actuator; Gold Contact Material: PCB								
506-A101SYCB04	A101SYCB04	4-1825136-4	C	SPDT	On-None-On			
506-A103SYCB04	A103SYCB04	1-1825137-5	C	SPDT	On-Off-On			
506-A105SYCB04	A105SYCB04	3-1825137-6	C	SPDT	(On)-Off-(On)			
506-A107SYCB04	A107SYCB04	5-1825137-0	C	SPDT	On-Off-(On)			
506-A108SYCB04	A108SYCB04	6-1825136-2	C	SPDT	On-None-(On)			
506-A201SYCB04	A201SYCB04	2-1825138-4	D	DPDT	On-None-On			
506-A203SYCB04	A203SYCB04	1825139-8	D	DPDT	On-Off-On			
506-A205SYCB04	A205SYCB04	1-1825139-6	D	DPDT	(On)-Off-(On)			
506-A208SYCB04	A208SYCB04	3-1825138-6	D	DPDT	On-None-(On)			
Flatted Actuator; Silver Contact Material: Wire Lug								
506-A103P3YZQ04	A103P3YZQ04	1825137-6	E	SPDT	On-Off-On			
506-A107P3ZQ04	A107P3ZQ04	4-1825137-8	E	SPDT	On-Off-(On)			
Locking Actuator; Silver Contact Material: Wire Lug								
506-A201KZQ04	A201KZQ04	1825136-7	F	SPDT	On-None-On			
506-A201KZQ04	A201KZQ04	1825138-3	G	DPDT	On-None-On			

MTA/MTA-PC SERIES (GREEN SERIES) 6A TOGGLE SWITCHES

Specifications:

- Contact rating: 6A @ 125VAC, 3A @ 250VAC
- Terminal seal: Insert molded
- Each switch supplied with: (2) 1/4-4C UNS-2B hex nuts (1) Internal tooth lockwasher (1) Locating ring
- Contact material: Gold flash over silver
- Mechanical life expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- MTA-PC has PC tail
- Actuation force: .05-1.5kg
- Actuator travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

() Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	TE Part No.	Fig.	Type	Circuit	Price Each		
						1	10	25
Wire Lug Terminals								
506-MTA106D	MTA106D	1-1437558-0	H	SPDT	On-None-On			
506-MTA106E	MTA106E	1-1437558-2	H	SPDT	On-Off-On			
506-MTA106F	MTA106F	1-1437558-4	H	SPDT	On-None-(On)			
506-MTA106G	MTA106G	1-1437558-6	H	SPDT	(On)-Off-(On)			
506-MTA206N	MTA206N	2-1437558	I	DPDT	On-None-On			
506-MTA206P	MTA206P	2-1437558-2	I	DPDT	On-Off-On			
506-MTA206R	MTA206R	2-1437558-7	I	DPDT	On-None-(On)			
506-MTA306D	MTA306D	3-1437558-5	J	3PDT	On-None-On			
506-MTA406N	MTA406N	4-1437558-3	K	4PDT	On-None-On			
506-MTA106DPC	MTA106DPC	1-1437558-1	L	SPDT	On-None-On			
Accessories for MTA Series								
506-B1440004	B1440004	1825612-1	M		Black 1/4-40 toggle switch boot seal			

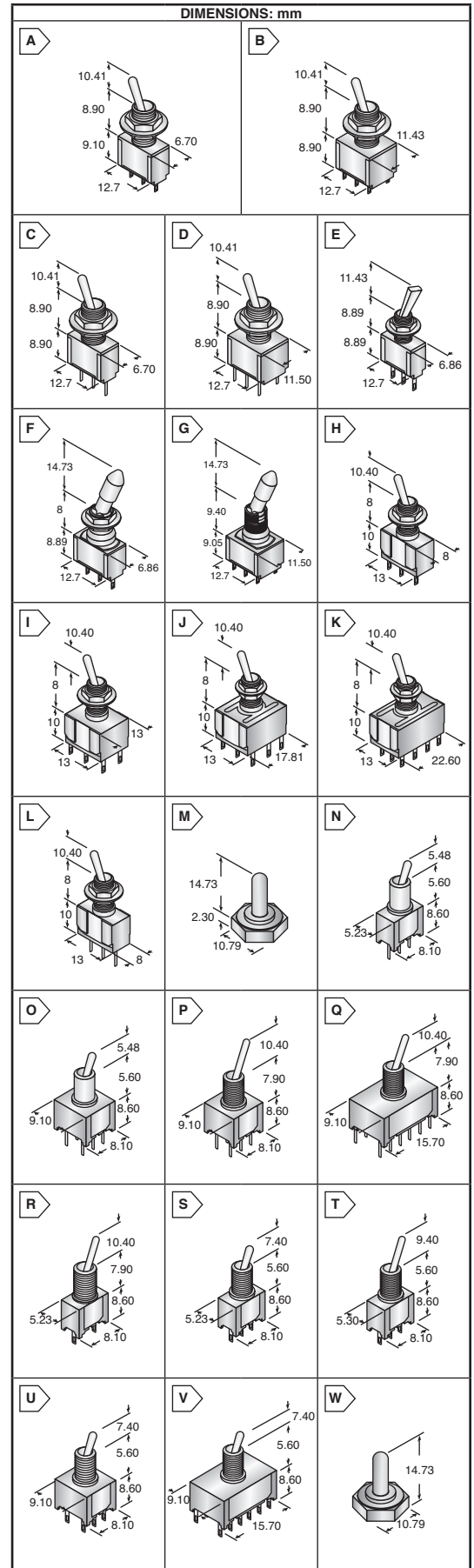
TT SERIES: TINY TOGGLE SWITCHES

Specifications:

- Contact rating: Gold - 0.4VA; Silver - 3A
- Terminal seal: Epoxy on single pole, optional on double pole
- Contact material: Gold over nickel or silver plate
- Dielectric strength: 1000Vrms
- Actuator Travel: 26°
- High torque bushing shoulder standard
- Contact timing: Break before make

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	TE Part No.	Fig.	Type	Circuit	Terminal	Price Each		
							1	10	25
With Unthreaded Bushing									
506-TT11AGPC104	TT11AGPC104	1825219-2	N	SPST	On-None-Off	PCB			
506-TT11DGPC1	TT11DGPC1	2-1437561-6	N	SPDT	On-None-On	PCB			
506-TT11EGPC1	TT11EGPC1	5-1437561-1	N	SPDT	On-None-On	PCB			
506-TT21NGPC1	TT21NGPC1	1437562-3	O	DPDT	On-None-On	PCB			
With 1/4-40 Bushing									
506-TT21NGPC9T1/4	TT21NGPC9T1/4	1-1437562-1	P	DPDT	On-None-On	PCB			
506-TT41NGPC9T1/4	TT41NGPC9T1/4	6-1437562-8	Q	4PDT	On-None-On	PCB			
506-TT13A9T1/404	TT13A9T1/404	8-1437561-4	R	SPST	On-None-Off	Wire lug			
With 10-48 Bushing									
506-TT13A2T	TT13A2T	7-1437561-8	S	SPST	On-None-Off	Wire lug			
506-TT13E3T	TT13E3T	9-1437561-6	T	SPDT	On-Off-On	Wire lug			
506-TT23N2T	TT23N2T	1825222-7	U	DPDT	On-None-On	Wire lug			
506-TT43N2T	TT43N2T	7-1437562-6	V	4PDT	On-None-On	Wire lug			
Accessories for TT Series									
506-B1440004	B1440004	1825612-1	W		Black 1/4-40 toggle switch boot seal				



TE Connectivity

Toggle Switches

C&K Toggle Switches



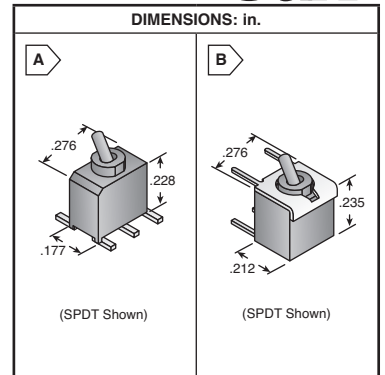
C&K GT SERIES: SEALED ULTRAMINIATURE TOGGLE SWITCHES

- Contact Material: Gold Terminal Plating
- Internal O-ring seal standard with all actuators
- Epoxy sealed termination
- Lead Free
- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and actuator material: Glass filled nylon (UL94V-0)
- Body Height: .210"



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Actuator/Bushing Height	Contact Material	Price Each			
								1	25	50	100
611-GT11MSCBE	GT11MSCBE	A	SPDT	On-On	Surface mount	.50"/.063"	Gold				
611-GT11MABE	GT11MABE	B	SPDT	On-On	R/A PC thru-hole	.50"/.063"	Gold				
611-GT12MABE	GT12MABE	B	SPST	Off-On	R/A PC thru-hole	.150"/.063"	Gold				
611-GT12MCBE	GT12MCBE	C	SPDT	Off-None-On	Thru-hole	.150"/.063"	Gold				



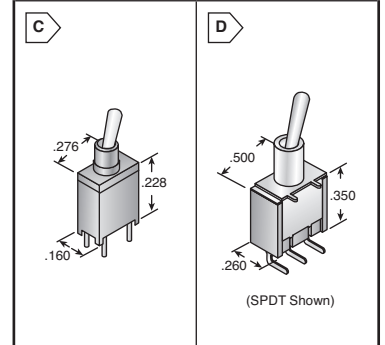
C&K E SERIES: SEALED MINIATURE TOGGLE SWITCHES

- Contact Material: Cu alloy, with Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators
- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and bushing material: Glass filled nylon
- Unthreaded bushing



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Price Each			
							1	25	50	100
Standard Round Actuator (.300" High)										
611-E101-001	E101MD1ABE	D	SPDT	On-None-On	R/A PC thru-hole	.250"				
611-E101-002	E101MD1AV2BE	E	SPDT	On-None-On	Vertical R/A PC thru-hole	.250"				
611-E101-006	E101MD1CBE	F	SPDT	On-None-On	PC thru-hole	.250"				
611-E103-002	E103MD1AV2BE	E	SPDT	On-Off-On	Vertical R/A PC thru-hole	.250"				
611-E201-002	E201MD1AV2BE	E	DPDT	On-None-On	Vertical R/A PC thru-hole	.250"				
611-E203-002	E203MD1AV2BE	E	DPDT	On-Off-On	Vertical R/A PC thru-hole	.250"				
Long Round Actuator (.500" High)										
611-E101-003	E101SD1CBE	F	SPDT	On-None-On	PC thru-hole	.250"				
611-E103-005	E103SD1ABE	D	SPDT	On-Off-On	R/A PC thru-hole	.250"				
611-E201-003	E201SD1CBE	F	DPDT	On-None-On	PC thru-hole	.250"				



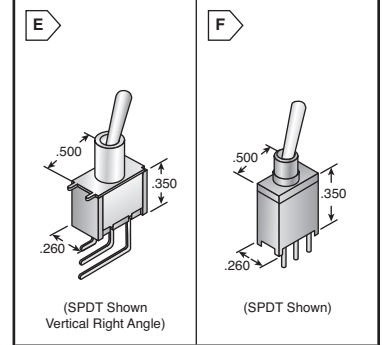
C&K ET SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, with Au plate over Ni plate, Au plate terminal
- K- Cu alloy, with Au plate over Ni plate, SnPb plate terminal
- G- Coin Ag, with Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators
- Contact Rating: B and K- 0.4VA @ 20VAC or DC max.
- G- 0.4VA @ 20VAC or DC max. or 5A @ 120VAC; 2A @ 250VAC
- Case and bushing material: Glass filled nylon
- Unthreaded bushing



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each			
								1	25	50	100
Standard Round Actuator (.240" High)											
611-ET01-011	ET01MD1ABE	G	SPDT	On-On	R/A PC thru-hole	.177"	B				
611-ET01-006	ET01MD1AGE	G	SPDT	On-On	R/A PC thru-hole	.177"	G				
611-ET01-002	ET01MD1AVBE	E	SPDT	On-On	R/A PC thru-hole	.177"	B				
611-ET01-001	ET01MD1CBE	F	SPDT	On-On	PC thru-hole	.177"	B				
611-ET01-013	ET01MD1V3BE	H	SPDT	On-On	V bracket	.177"	B				
611-ET03-011	ET03MD1ABE	G	SPDT	On-Off-On	R/A PC thru-hole	.177"	B				
611-ET08-011	ET08MD1ABE	G	SPDT	On-(On)	R/A PC thru-hole	.177"	B				
Round Actuator (.320" High)											
611-ET01-005	ET01LD1CBE	F	SPDT	On-On	PC thru-hole	.177"	B				
Long Round Actuator (.400" High)											
611-ET01-003	ET01SD1CBE	F	SPDT	On-On	PC thru-hole	.177"	B				
611-ET01-004	ET01SD1ABE	G	SPDT	On-On	R/A PC thru-hole	.177"	B				



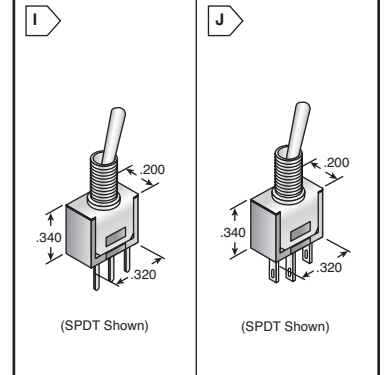
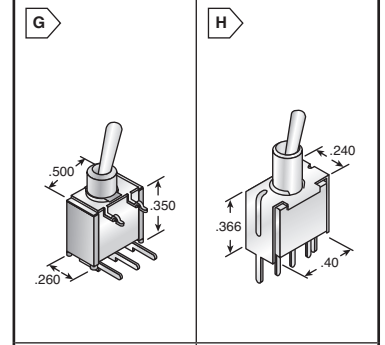
C&K T SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, with Au plate over Ni plate, Au plate terminal
- Q- Cu alloy, with Ag plate, Ag plate terminal
- Actuator material: Chrome plated brass
- Housing material: Stainless steel
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
- Q- 5A @ 120VAC; 2A @ 250VAC
- Bushing material: Nickel plated brass
- Case material: Glass filled nylon or DAP



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each			
								1	25	50	100
Standard Round Actuator (.370" High), Threaded Bushing											
611-T101-001	T101SHCQE	I	SPDT	On-On	PC thru-hole	.220" flat	Q				
611-T103-001	T103SHCQE	I	SPDT	On-Off-On	PC thru-hole	.220" flat	Q				
611-T102SHZQE	T102SHZQE	J	SPDT	Off-None-On	Solder lug	.220" flat	Q				
611-T103-002	T103SHZQE	J	SPDT	On-Off-On	Solder lug	.220" flat	Q				
Short Round Actuator (.210" High), Unthreaded Bushing											
611-T101-004	T101MH9ABE	G	SPDT	On-On	R/A PC thru-hole	.220" flat	B				
611-T101-005	T101MH9AVBE	E	SPDT	On-On	R/A PC thru-hole	.220" flat	B				



C&K Toggle Switches



C&K 7000 SERIES MINIATURE TOGGLE SWITCHES, PANEL MOUNT

• Contact material:

- B- Cu alloy, with Au plate over Ni plate, Au plate terminal
- K- Cu alloy, with Au plate over Ni plate, SnPb plate terminal
- Q- Cu alloy, with Ag plate, Ag plate terminal
- G- Coin Ag, with Au plate over Ni plate, Au plate terminal

• Contact rating:

- B and K- 0.4VA @ 20VAC or DC max.
- Q- 5A @ 120VAC; 2A @ 250VAC
- G- 0.4VA @ 20VAC or DC max. or 5A @ 120VAC @ 250VAC

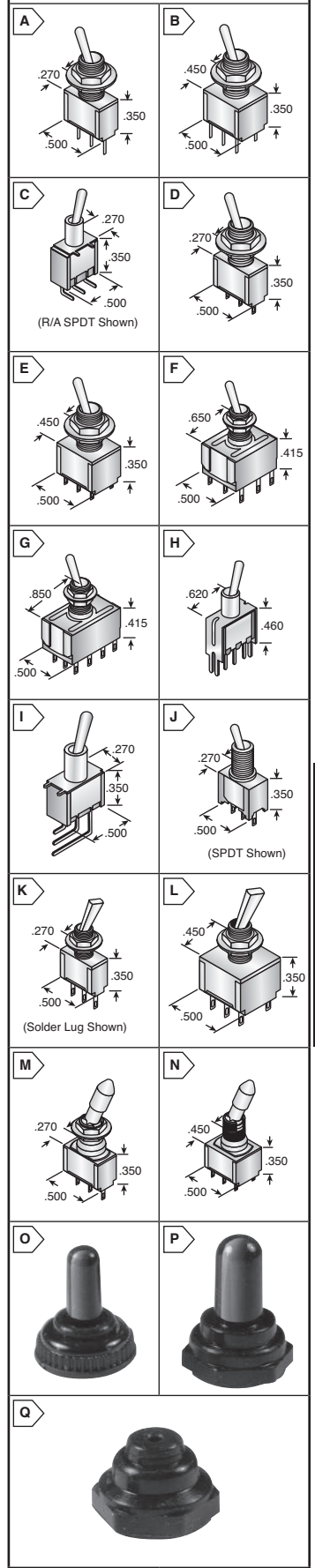


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ()=Momentary	Termination	Bushing	Contact Material	Price Each		
								1	25	50
Standard Round Actuator (.420" High)										
611-7101-054	7101SYCBE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	B			
611-7101-002	7101SYCQE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	Q			
611-7103-002	7103SYCQE	A	SPDT	On-Off-On	PC thru-hole	.350" high, keyway	Q			
611-7105-002	7105SYCQE	A	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q			
611-7107-002	7107SYCQE	A	SPDT	On-Off-(On)	PC thru-hole	.350" high, keyway	Q			
611-7201-054	7201SYCBE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	B			
611-7201-002	7201SYCQE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	Q			
611-7203-001	7203SYZQE	B	DPDT	On-Off-On	Solder lug	.350" high, keyway	Q			
611-7101-075	7101SD9CQE	C	SPDT	On-On	PC thru-hole	.280" high, keyway	Q			
611-7101-004	7101SD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B			
611-7101-007	7101SH3ZQE	D	SPDT	On-On	Solder lug	.296" high, flat	Q			
611-7101-005	7101SYZBE	D	SPDT	On-On	Solder lug	.350" high, keyway	B			
611-7101-006	7101SYZQE	D	SPDT	On-On	Solder lug	.350" high, keyway	G			
611-7101-001	7101SYZQE	D	SPDT	On-On	Solder lug	.350" high, keyway	Q			
611-7103-005	7103SYZBE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	B			
611-7103-001	7103SYZQE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q			
611-7105-001	7105SYZQE	D	SPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q			
611-7107-001	7107SYZQE	D	SPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q			
611-7201-005	7201SYZBE	E	DPDT	On-On	Solder lug	.350" high, keyway	B			
611-7201-001	7201SYZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q			
611-7207-001	7207SYZQE	E	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q			
611-7211-001	7211SYZQE	E	DPDT	On-On-On	Solder lug	.350" high, keyway	Q			
611-7301-001	7301SYZQE	F	3PDT	On-On	Solder lug	.350" high, keyway	Q			
611-7303-001	7303SYZQE	F	3PDT	On-Off-On	Solder lug	.350" high, keyway	Q			
611-7401-001	7401SYZQE	G	4PDT	On-On	Solder lug	.350" high, keyway	Q			
611-7101-076	7101SD9V3BE	H	SPDT	On-On	V bracket	.280" high, keyway	B			
Standard Round Actuator (.420" High), Splashproof Bushing										
611-7101-071	7101SCWZQE	D	SPDT	On-On	Solder lug	.294" high, flat	Q			
611-7201-071	7201SCWZQE	E	DPDT	On-On	Solder lug	.294" high, flat	Q			
Short Round Actuator (.200" High)										
611-7101-063	7101MDCQE	A	SPDT	On-On	PC thru-hole	.280" high, keyway	Q			
611-7101-051	7101MD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B			
611-7101-053	7101MD9AQE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	Q			
611-7101-061	7101MD9AV2BE	I	SPDT	On-On Vert.	R/A PC thru-hole	.280" high, keyway	B			
611-7103-061	7103MD9AV2BE	I	SPDT	On-Off-On Vert.	R/A PC thru-hole	.280" high, keyway	B			
611-7101-051	7201MD9ABE	C	DPDT	On-On	R/A PC thru-hole	.280" high, keyway	B			
611-7101-064	7101MDZQE	J	SPDT	On-On	Solder lug	.280" high, keyway	Q			
611-7101-065	7101MYZQE	J	SPDT	On-On	Solder lug	.350" high, keyway	Q			
611-7201-064	7201MDZQE	J	DPDT	On-On	Solder lug	.280" high, keyway	Q			
611-7101-062	7101MD9V3QE	H	SPDT	On-On	V bracket	.280" high, keyway	Q			
611-7103-062	7103MD9V3BE	H	SPDT	On-Off-On	V bracket	.280" high, keyway	B			
Long Round Actuator (.640" High)										
611-7201-041	7201L1YZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q			
Flatted, Anti-Rotation Actuator (.450" High)										
611-7101-022	7101P3YCQE	K	SPDT	On-On	PC thru-hole	.350" high, keyway	Q			
611-7105-022	7105P3YCQE	K	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q			
611-7101-021	7101P3YZQE	K	SPDT	On-On	Solder lug	.350" high, keyway	Q			
611-7103-021	7103P3YZQE	K	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q			
611-7201-025	7201P3YZBE	L	DPDT	On-On	Solder lug	.350" high, keyway	B			
611-7101-021	7201P3YZQE	L	DPDT	On-On	Solder lug	.350" high, keyway	Q			
611-7205-021	7205P3YZQE	L	DPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q			
611-7207-021	7207P3YZQE	L	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q			
Large Round Actuator (.687" High)										
611-7101-081	7101T2ZQE	D	SPDT	On-On	Solder lug	.448" high, keyway	Q			
611-7101TCWZQE	7101TCWZQE	D	SPDT	On-None-On	Solder lug	Splashproof	Q			
611-7201-081	7201T2ZQE	E	DPDT	On-On	Solder lug	.448" high, keyway	Q			
611-7203-081	7203T2ZQE	E	DPDT	On-Off-On	Solder lug	.448" high, keyway	Q			
Locking Actuator (.704" High)										
611-7101-031	7101K2ZQE	M	SPDT	On-On	Solder lug	.260" high, keyway	Q			
611-7201-031	7201K2ZQE	N	DPDT	On-On	Solder lug	.260" high, keyway	Q			
611-7203-031	7203K2ZQE	N	DPDT	On-Off-On	Solder lug	.260" high, keyway	Q			

DIMENSIONS: in.



C&K Toggle Switches

SEALING BOOTS FOR 7000, T, MIL, AND 9000 SERIES TOGGLES

Features/Benefits:

- Minimum IP65 Sealing
- Silicon Construction Remains Pliable in Cold Weather
- High Tear Strength
- Full and Half Boot Options
- Ideal for Sealing an Unsealed Switch

Typical Applications:

- Harsh environments
- Marine
- Industrial
- Medical
- Offroad Transportation
- Military
- Food and Beverage



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Description	Price Each			
				1	25	50	100
611-759D02000	759D02000	O	Black full toggle boot for 1/4-40 bushing				
611-703D02000	703D02000	P	Black full toggle boot for 15/32 bushing				
611-704D20000	704D20000	Q	Black half toggle boot for 15/32 bushing				

CARLING 2M1 SERIES, MINIATURE TOGGLE SWITCHES

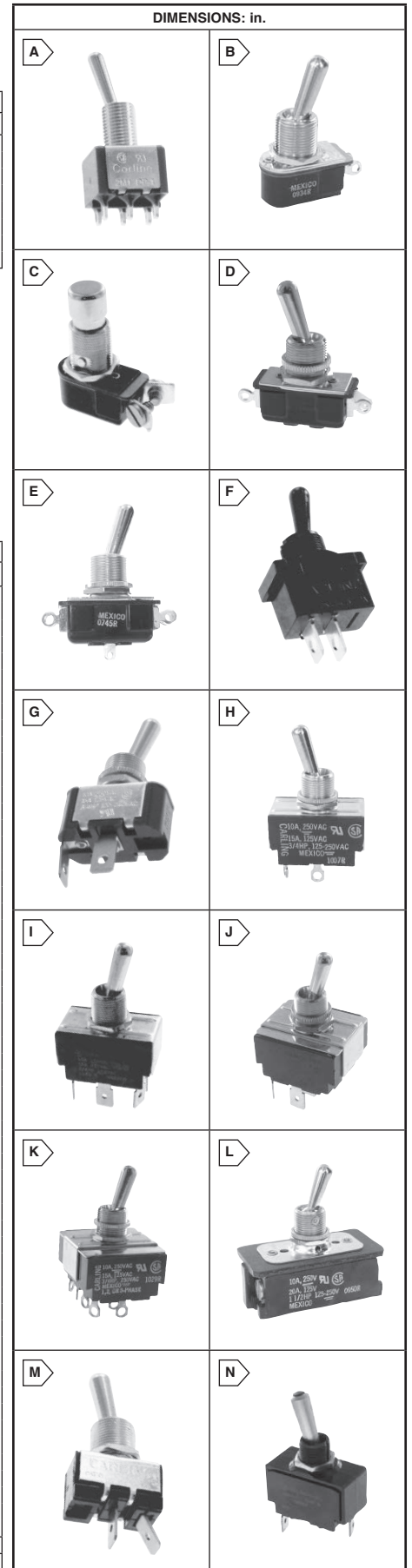
PRODUCT **NEW**



**() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Switch Current (125VAC)	Contact Form	Circuit**	Termination	Price Each		
Mfr.	Mfr. Part No.						1	25	50
691	2M1-DP1-T1B1M1QE	A	5A	DPDT	ON-NONE-ON	Solder Lug			
691	2M1-DP1-T1B1M2QE	A	5A	DPDT	ON-NONE-ON	PCB			
691	2M1-SP1-T1B1M1QE	A	5A	SPST	ON-NONE-ON	Solder Lug			
691	2M1-SP1-T1B1M2QE	A	5A	SPST	ON-NONE-ON	PCB			
691	2M1-SP1-T2B4M6RE	A	5A	SPST	ON-NONE-ON	PC Mount, 90° horizontal			
691	2M1-SP3-T1B1M1QE	A	5A	SPST	ON-OFF-ON	Solder Lug			
691	2M1-SP3-T1B1M2QE	A	5A	SPST	ON-OFF-ON	PCB			
691	2M1-SP4-T1B1M1QE	A	5A	SPST	(ON)-OFF-(ON)	Solder Lug			



CARLING POWER TOGGLE SWITCHES

Specifications:

- Actuator/Bushing Material: Brass/Nickel Plate
- 15/32" Threaded Bushing, 11/16" Toggle, 3/4" HP
- Combi Terminals Function as Both .250 QC Tabs and Solder Lug Terminal

PRODUCT **NEW**



* 1 HP **() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Current Rating	Contact Form	Circuit**	Termination	Price Each		
Mfr.	Mfr. Part No.						1	25	50
691	110-73	B	6A	SPST	ON-NONE-OFF	Solder lug terminals			
691	110-S-73	B	6A	SPST	ON-NONE-OFF	Screw terminals			
691	111-16-73	B	6A	SPST	ON-NONE-OFF	Wire leads			
691	110-SPM-OFF	C	6A	SPST	OFF-(ON)	Screw terminals			
691	2BB62-73	D	6A	SPIT	ON-NONE-ON	Solder lug terminals			
691	2BK62-73	D	6A	IPST	ON-NONE-OFF	Solder lug terminals			
691	2BL62-73	E	6A	IPIT	ON-NONE-ON	Solder lug terminals			
691	DA100-BB-B	F	10A	SPST	ON-NONE-OFF	Solder Lug			
691	DA100-PB-B	F	10A	SPST	ON-NONE-OFF	Solder Lug			
691	DA105-PB-B	F	10A	SPST	ON-NONE-OFF	Wire Lead			
691	DC100-PB-B	C	10A	SPST	ON-OFF-ON	Solder Lug			
691	6FC58-73	G	10A	SPDT	ON-OFF-(ON)	Screw terminals			
691	2FA52-73	G	15A	SPST	ON-NONE-OFF	Combi terminals			
691	2FA53-73	G	15A	SPST	ON-NONE-OFF	Solder lug terminals			
691	2FA53-73/TABS	G	15A	SPST	ON-NONE-OFF	.250 QC Tabs			
691	2FA54-73	G	15A	SPST	ON-NONE-OFF	Screw terminals			
691	2FB53-73	G	15A	SPIT	ON-NONE-ON	Solder lug terminals			
691	2FB53-73/TABS	G	15A	SPIT	ON-NONE-ON	.250 QC Tabs			
691	2FB54-73	G	15A	SPIT	ON-NONE-ON	Screw terminals			
691	2FC53-73	G	15A	SPIT	ON-OFF-ON	Solder lug terminals			
691	2FC53-73/TABS	G	15A	SPIT	ON-OFF-ON	.250 QC Tabs			
691	2FC54-73	G	15A	SPIT	ON-OFF-ON	Screw terminals			
691	6GA5B-73	G	15A	SPDT	ON-NONE-(ON)	.250 QC Tabs			
691	6FA5473	H	15A	SPST	ON-NONE-OFF	-			
691	6FA5H-73	G	15A	SPST	(ON)-NONE-OFF	Combi terminals			
691	6FB5H-73	G	15A	SPIT	ON-NONE-(ON)	Combi terminals			
691	6FC54-73	G	15A	SPIT	(ON)-OFF-(ON)	Screw terminals			
691	6FC5H-73	G	15A	SPIT	(ON)-OFF-(ON)	Combi terminals			
691	6FC5Y-73	G	15A	SPIT	ON-OFF-(ON)	Combi terminals			
691	2FA5378/TABS	G	20A	SPIT	ON-NONE-OFF	Solder lug terminals			
691	6GG5B-73	G	15A	SPST	(ON)-OFF-(ON)	.250 QC Tabs			
691	2GG5173	H	20A	SPIT	ON-ON-OFF	PC terminal			
691	2GK50-73	H	15A	IPST	ON-NONE-OFF	Solder lug terminals			
691	2GK51-73	H	15A	IPST	ON-NONE-OFF	.250 QC Tabs			
691	2GK54-73	H	15A	IPST	ON-NONE-OFF	Solder lug terminals			
691	2GL50-73	H	15A	IPIT	ON-NONE-ON	Solder lug terminals			
691	2GL51-73	H	15A	IPIT	ON-NONE-ON	.250 QC Tabs			
691	2GL54-73	H	15A	IPIT	ON-NONE-ON	Screw terminals			
691	2GL57-73	H	15A	IPIT	ON-NONE-ON	Combi terminals			
691	2GM50-73	H	15A	IPIT	ON-OFF-ON	Solder lug terminals			
691	2GM51-73	H	15A	IPIT	ON-OFF-ON	.250 QC Tabs			
691	2GM54-73	H	15A	IPIT	ON-OFF-ON	Screw terminals			
691	6GL5B-73	I	15A	DPDT	ON-NONE-(ON)	.250 QC Tabs			
691	6GK5H-73	H	15A	IPST	(ON)-NONE-OFF	Combi terminals			
691	6GM5M73	I	15A	DPDT	ON-OFF-(ON)	.250 QC Tabs			
691	6GM5S-73	I	15A	DPDT	(ON)-OFF-(ON)	Screw terminals			
691	6GM5Y-73	H	15A	IPIT	(ON)-OFF-(ON)	Combi terminals			
691	HK251-73	J	15A	3PST	ON-NONE-OFF	.250 QC Tabs			
691	HL250-73	J	15A	3PIT	ON-NONE-ON	Solder lug terminals			
691	HL251-73	J	15A	3PIT	ON-NONE-ON	.250 QC Tabs			
691	HM250-73	J	15A	3PIT	ON-OFF-ON	Solder lug terminals			
691	HM251-73	J	15A	3PIT	ON-OFF-ON	.250 QC Tabs			
691	HM254-73	J	15A	3PIT	ON-OFF-ON	Screw terminals			
691	IL250-73	K	15A	4PIT	ON-NONE-ON	Solder lug terminals			
* 691	EK204-73	L	20A	IPST	ON-NONE-OFF	Screw terminals			
691	CA201-73	M	20A	SPST	ON-NONE-OFF	.250 QC Tabs			
691	LT1511610012	N	10A	SPIT	ON-NONE-OFF	.250 Tabs			

Hardware

691	728-15907	-	Optional Lock Washer			
-----	-----------	---	----------------------	--	--	--

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

MOUNTAIN SWITCH Toggle Switches



RoHS Compliant This product is RoHS compliant.

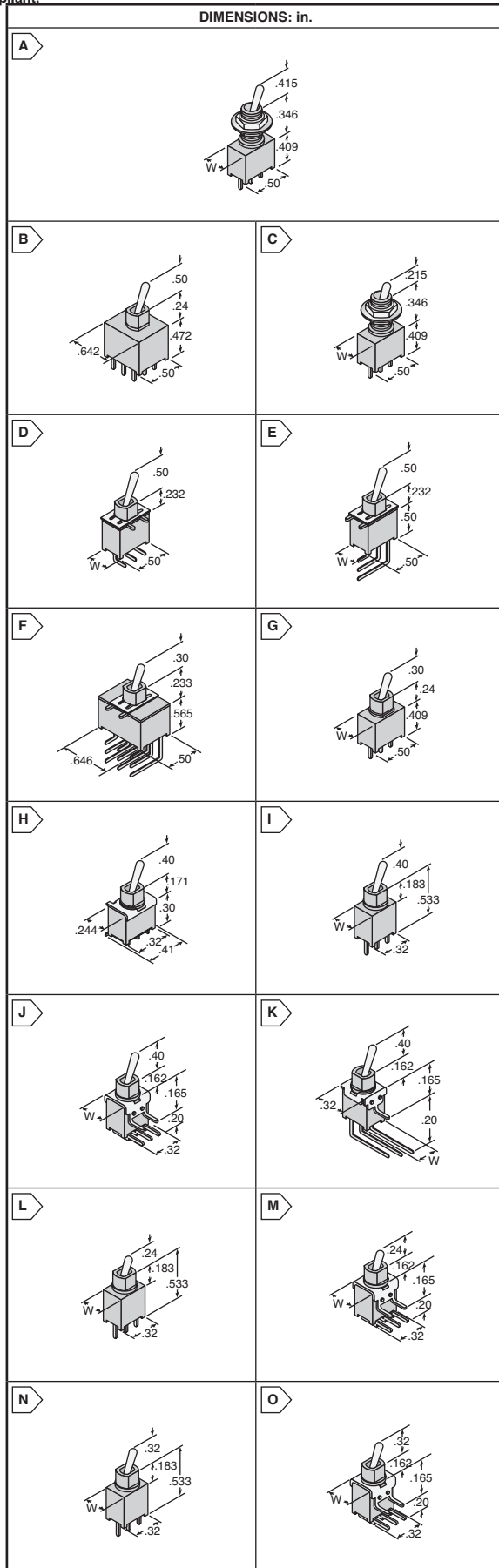
SEALED MINIATURE TOGGLE SWITCHES

Specifications:

- Rating: 2A/250, 5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-1AS1T1171-EVX	A	0.26	SPDT	On-On					
108-1AS2T1172-EVX	A	0.26	SPDT	On-(On)					
108-1AS3T1173-EVX	A	0.26	SPDT	On-Off-On					
108-1AS5T1174-EVX	A	0.26	SPDT	On-Off-(On)					
108-1AD1T1175-EVX	A	0.45	DPDT	On-On					
108-1AD2T1176-EVX	A	0.45	DPDT	On-(On)					
108-1AD3T1177-EVX	A	0.45	DPDT	On-Off-On					
108-1AD5T1179-EVX	A	0.45	DPDT	On-Off-(On)					
108-1A31T1280-EVX	B	0.642	3PDT	On-On					
108-1A34T1283-EVX	B	0.642	3PDT	(On)-Off-(On)					
108-1AS1T2184-EVX	C	0.26	SPDT	On-On					
108-1AS3T2186-EVX	C	0.26	SPDT	On-Off-On					
108-1AS5T2187-EVX	C	0.26	SPDT	On-Off-(On)					
108-1AD1T2188-EVX	C	0.45	DPDT	On-On					
108-1AD3T2190-EVX	C	0.45	DPDT	On-Off-On					
108-1AS1T1693-EVX	D	0.26	SPDT	On-On					
108-1AS3T1695-EVX	D	0.26	SPDT	On-Off-On					
108-1AD1T1697-EVX	D	0.45	DPDT	On-On					
108-1AS1T1706-EVX	E	0.26	SPDT	On-On					
108-1AS3T1708-EVX	E	0.26	SPDT	On-Off-On					
108-1AS5T1709-EVX	E	0.26	SPDT	On-Off-(On)					
108-1AD1T1710-EVX	E	0.45	DPDT	On-On					
108-1AD3T1712-EVX	E	0.45	DPDT	On-Off-On					
108-1AD4T1713-EVX	E	0.45	DPDT	(On)-Off-(On)					
108-1A31T2715-EVX	F	0.646	3PDT	On-On					
108-1A33T2717-EVX	F	0.646	3PDT	On-Off-On					
108-1AS1T2219-EVX	G	0.26	SPDT	On-On					
108-1AS2T2220-EVX	G	0.26	SPDT	On-(On)					
108-1AD1T2223-EVX	G	0.45	DPDT	On-On					
108-1AD3T2225-EVX	G	0.45	DPDT	On-Off-On					
108-1A33T2230-EVX	G	0.642	3PDT	On-Off-On					



SEALED SUB-MINIATURE TOGGLE SWITCHES - SURFACE MOUNT

Specifications:

- Rating: 0.4VA/20VAC or DC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-2BS1T1T45-EVX	H	0.244	SPDT	On-On					

SEALED SUB-MINIATURE TOGGLE SWITCHES - PANEL MOUNT

Specifications:

- Rating: 1A/250, 3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-2AS1T1203-EVX	I	0.20	SPDT	On-On					
108-2AS2T1204-EVX	I	0.20	SPDT	On-(On)					
108-2AS3T1205-EVX	I	0.20	SPDT	On-Off-On					
108-2AD1T1206-EVX	I	0.36	DPDT	On-On					
108-2AS1T1609-EVX	J	0.249	SPDT	On-On					
108-2AD1T1612-EVX	J	0.40	DPDT	On-On					
108-2AS1T1715-EVX	K	0.232	SPDT	On-On					
108-2AS3T1717-EVX	K	0.232	SPDT	On-Off-On					
108-2AD1T1718-EVX	K	0.398	DPDT	On-On					
108-2AS1T2221-EVX	L	0.20	SPDT	On-On					
108-2AS3T2223-EVX	L	0.20	SPDT	On-Off-On					
108-2AD1T2224-EVX	L	0.36	DPDT	On-On					
108-2AD3T2226-EVX	L	0.36	DPDT	On-Off-On					
108-2AS1T2627-EVX	M	0.249	SPDT	On-On					
108-2AD1T2630-EVX	M	0.40	DPDT	On-On					
108-2AD3T2632-EVX	M	0.40	DPDT	On-Off-On					
108-2AS1T3233-EVX	N	0.20	SPDT	On-On					
108-2AS2T3234-EVX	N	0.20	SPDT	On-(On)					
108-2AS3T3235-EVX	N	0.20	SPDT	On-Off-On					
108-2AD1T3236-EVX	N	0.36	DPDT	On-On					
108-2AD3T3238-EVX	N	0.36	DPDT	On-Off-On					
108-2AS1T3639-EVX	O	0.249	SPDT	On-On					
108-2AD1T3642-EVX	O	0.40	DPDT	On-On					

MOUNTAIN SWITCH Toggle Switches



RoHS Compliant This product is RoHS compliant.

SEALED ULTRA-MINIATURE TOGGLE SWITCHES - PANEL MOUNT

Specifications:

- Rating: 0.4VA/20VAC or DC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-2US1T1253-EV	A	0.178	SPDT	On-On					
108-2US3T1255-EV	A	0.178	SPDT	On-Off-On					
108-2UD1T1256-EV	A	0.178	DPDT	On-On					
108-2US1T1659-EV	B	0.193	SPDT	On-On					
108-2US3T1661-EV	B	0.193	SPDT	On-Off-On					
108-2UD1T1662-EV	B	0.193	DPDT	On-On					
108-2US1T1765-EV	C	0.209	SPDT	On-On					
108-2US3T1767-EV	C	0.209	SPDT	On-Off-On					
108-2UD1T1768-EV	C	0.209	DPDT	On-On					

SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-0041-EVX	D	0.20	SPST	Off-On					
108-0042-EVX	D	0.20	SPDT	On-On					
108-0044-EVX	D	0.20	SPDT	On-Off-On					
108-0043-EVX	D	0.36	DPDT	On-On					
108-0046-EVX	D	0.36	DPDT	On-Off-On					
108-0047-EVX	E	0.20	SPST	Off-On					
108-0048-EVX	E	0.20	SPDT	On-On					
108-0049-EVX	E	0.36	DPDT	On-On					
108-0050-EVX	F	0.20	SPST	On-Off					
108-0051-EVX	F	0.20	SPDT	On-On					
108-0052-EVX	F	0.36	DPDT	On-On					

MINIATURE TOGGLE SWITCHES

Specifications:

- Rating: 2A/250VAC; 5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	50	100	500	1000
108-0001-EVX	G	0.27	SPST	Off-On					
108-0002-EVX	G	0.27	SPDT	On-Off-(On)					
108-0053-EVX	G	0.27	SPDT	(On)-Off-(On)					
108-0005-EVX	G	0.45	DPDT	(On)-Off-(On)					
108-0010-EVX	H	0.45	DPDT	On-On					
108-0008-EVX	H	0.27	SPST	Off-On					
108-0009-EVX	H	0.27	SPDT	On-On					
108-0006-EVX	I	0.50	3PDT	On-Off-On					
108-0007-EVX	I	0.50	4PDT	On-Off-On					
108-0038-EVX	J	0.27	SPST	Off-On					
108-0040-EVX	J	0.27	SPST	Off-On					
108-0027-EVX	K	0.27	SPST	Off-On					
108-0028-EVX	K	0.27	SPDT	(On)-Off-(On)					
108-0031-EVX	K	0.45	DPDT	On-Off-On					
108-0011-EVX	L	0.27	SPDT	On-On					
108-0017-EVX	L	0.45	DPDT	On-On					
108-0018-EVX	L	0.45	DPDT	On-Off-On					
108-0020-EVX	M	0.27	SPDT	On-On					
108-0021-EVX	M	0.27	SPDT	On-Off-On					
108-0023-EVX	M	0.27	SPDT	(On)-Off-(On)					
108-0024-EVX	M	0.45	DPDT	On-On					

TOGGLE SWITCH CAPS

Specifications:

- Threaded bushing

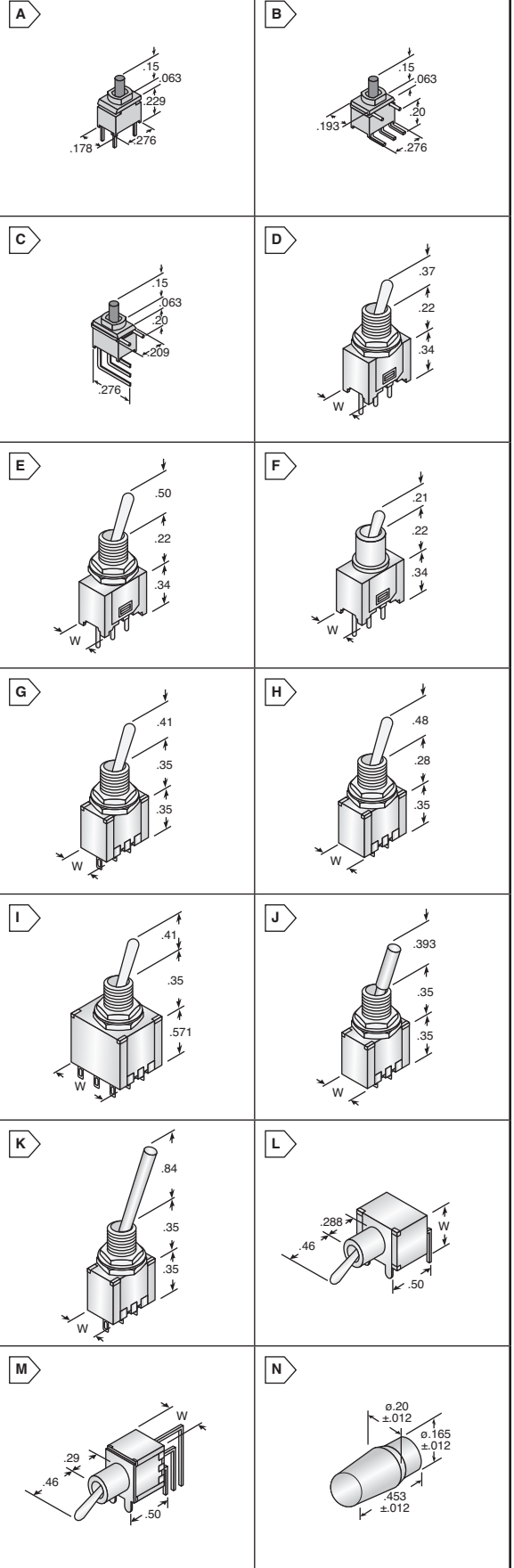


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Price Each				
			1	50	100	500	1000
108-00323-EV	N	Red					
108-00332-EV	N	Black					
108-00341-EV	N	White					
108-00357-EV	N	Blue					
108-00365-EV	N	Yellow					
108-00376-EV	N	Green					

DIMENSIONS: in.



Mountain Switch Toggle Switches

MOUNTAIN SWITCH Toggle Switches



RoHS Compliant This product is RoHS compliant.

MINIATURE TOGGLE SWITCHES - PANEL MOUNT

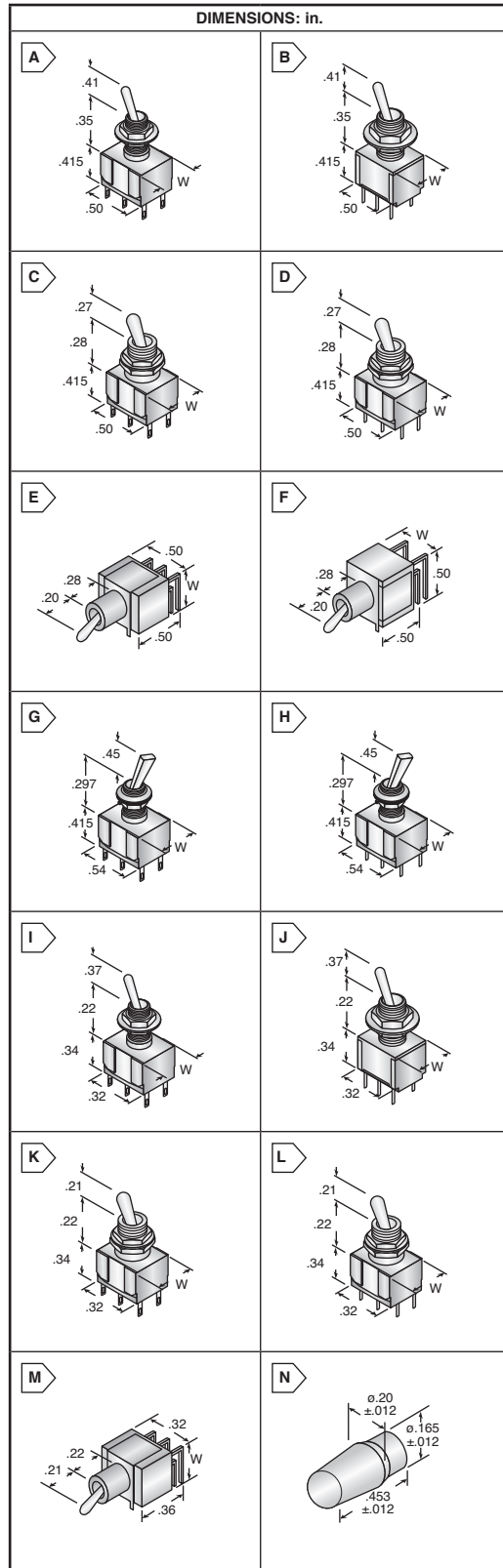
Specifications:

- Contact Rating: 5A/120VAC or 28VDC; 2A/250VAC
- Contact Resistance: 10mΩ max. initial @ 2-4VDC 100mA

- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000V/RMS @ sea level
- Operation Temperature: -30°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each			
					1	50	100	500
0.41" Toggle, 0.35" Threaded Bushing, Solder Terminals								
108-1MS1T1B1M1QE-EVX	A	0.27	SPDT	On-On				
108-1MS2T1B1M1QE-EVX	A	0.27	SPDT	On-(On)				
108-1MS3T1B1M1QE-EVX	A	0.27	SPDT	On-Off-On				
108-1MD1T1B1M1QE-EVX	A	0.45	DPDT	On-On				
108-1MD2T1B1M1QE-EVX	A	0.45	DPDT	On-(On)				
108-1MD3T1B1M1QE-EVX	A	0.45	DPDT	On-Off-On				
108-1M3T1T1B1M1QE-EVX	A	0.65	3PDT	On-On				
108-1M4T1T1B1M1QE-EVX	A	0.85	4PDT	On-On				
0.41" Toggle, 0.35" Threaded Bushing, PC Mount Terminals								
108-1MS1T1B1M2QE-EVX	B	0.27	SPDT	On-On				
108-1MS2T1B1M2QE-EVX	B	0.27	SPDT	On-(On)				
108-1MS3T1B1M2QE-EVX	B	0.27	SPDT	On-Off-On				
108-1MD1T1B1M2QE-EVX	B	0.45	DPDT	On-On				
108-1MD2T1B1M2QE-EVX	B	0.45	DPDT	On-(On)				
108-1MD3T1B1M2QE-EVX	B	0.45	DPDT	On-Off-On				
108-1M3T1T1B1M2QE-EVX	B	0.65	3PDT	On-On				
108-1M4T1T1B1M2QE-EVX	B	0.85	4PDT	On-On				
0.27" Toggle, 0.28" Threaded Bushing, Solder Terminals								
108-1MS1T2B3M1QE-EVX	C	0.27	SPDT	On-On				
108-1MS2T2B3M1QE-EVX	C	0.27	SPDT	On-(On)				
108-1MS3T2B3M1QE-EVX	C	0.27	SPDT	On-Off-On				
108-1MD1T2B3M1QE-EVX	C	0.45	DPDT	On-On				
108-1MD2T2B3M1QE-EVX	C	0.45	DPDT	On-(On)				
108-1MD3T2B3M1QE-EVX	C	0.45	DPDT	On-Off-On				
0.27" Toggle, 0.28" Threaded Bushing, PC Mount Terminals								
108-1MS1T2B3M2QE-EVX	D	0.27	SPDT	On-On				
108-1MS2T2B3M2QE-EVX	D	0.27	SPDT	On-(On)				
108-1MS3T2B3M2QE-EVX	D	0.27	SPDT	On-Off-On				
108-1MD1T2B3M2QE-EVX	D	0.45	DPDT	On-On				
108-1MD2T2B3M2QE-EVX	D	0.45	DPDT	On-(On)				
108-1MD3T2B3M2QE-EVX	D	0.45	DPDT	On-Off-On				
0.20" Horizontal Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount Terminals								
108-1MS1T2B4M6QE-EVX	E	0.27	SPDT	On-On				
108-1MS2T2B4M6QE-EVX	E	0.27	SPDT	On-(On)				
108-1MS3T2B4M6QE-EVX	E	0.27	SPDT	On-Off-On				
108-1MD1T2B4M6QE-EVX	E	0.45	DPDT	On-On				
108-1MD2T2B4M6QE-EVX	E	0.45	DPDT	On-(On)				
108-1MD3T2B4M6QE-EVX	E	0.45	DPDT	On-Off-On				
0.20" Vertical Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount Terminals								
108-1MS1T2B4M7QE-EVX	F	0.27	SPDT	On-On				
108-1MS2T2B4M7QE-EVX	F	0.27	SPDT	On-(On)				
108-1MS3T2B4M7QE-EVX	F	0.27	SPDT	On-Off-On				
108-1MD1T2B4M7QE-EVX	F	0.45	DPDT	On-On				
108-1MD3T2B4M7QE-EVX	F	0.45	DPDT	On-Off-On				
0.45" Flat Toggle, 0.297" Threaded Bushing, Solder Terminals								
108-1MS1T6B1M1QE-EVX	G	0.27	SPDT	On-On				
108-1MS2T6B1M1QE-EVX	G	0.27	SPDT	On-(On)				
108-1MS3T6B1M1QE-EVX	G	0.27	SPDT	On-Off-On				
108-1MD1T6B1M1QE-EVX	G	0.45	DPDT	On-On				
108-1MD2T6B1M1QE-EVX	G	0.45	DPDT	On-(On)				
108-1MD3T6B1M1QE-EVX	G	0.45	DPDT	On-Off-On				
108-1MD4T6B1M1QE-EVX	G	0.45	DPDT	(On)-Off-(On)				
0.45" Flat Toggle, 0.297" Threaded Bushing, PC Mount Terminals								
108-1MS1T6B1M2QE-EVX	H	0.27	SPDT	On-On				
108-1MS2T6B1M2QE-EVX	H	0.27	SPDT	On-(On)				
108-1MS3T6B1M2QE-EVX	H	0.27	SPDT	On-Off-On				
108-1MD1T6B1M2QE-EVX	H	0.45	DPDT	On-On				
108-1MD2T6B1M2QE-EVX	H	0.45	DPDT	On-(On)				
108-1MD3T6B1M2QE-EVX	H	0.45	DPDT	On-Off-On				



SUB-MINIATURE TOGGLE SWITCHES - PANEL MOUNT

Specifications:

- Contact Rating: 3A/120VAC or 28VDC; 1A/250VAC
- Contact Resistance: 20mΩ max. initial @ 2-4VDC 100mA

- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000V/RMS @ sea level
- Operation Temperature: -30°C to +85°C

For quantities greater than listed, call for quote.

0.37" Toggle, 0.22" Bushing, Solder Terminals								
108-2MS1T1B1M1QE-EVX	I	0.20	SPDT	On-On				
108-2MS3T1B1M1QE-EVX	I	0.20	SPDT	On-Off-On				
108-2MD1T1B1M1QE-EVX	I	0.36	DPDT	On-On				
108-2MD3T1B1M1QE-EVX	I	0.36	DPDT	On-Off-On				
0.37" Toggle, 0.22" Bushing, PC Mount Terminals								
108-2MS1T1B1M2QE-EVX	J	0.20	SPDT	On-On				
108-2MS3T1B1M2QE-EVX	J	0.20	SPDT	On-Off-On				
108-2MD1T1B1M2QE-EVX	J	0.36	DPDT	On-On				
108-2MD3T1B1M2QE-EVX	J	0.36	DPDT	On-Off-On				
0.21" Toggle, 0.22" Bushing, Solder Terminals								
108-2MS1T2B3M1QE-EVX	K	0.20	SPDT	On-On				
108-2MS3T2B3M1QE-EVX	K	0.20	SPDT	On-Off-On				
108-2MD1T2B3M1QE-EVX	K	0.36	DPDT	On-On				
108-2MD3T2B3M1QE-EVX	K	0.36	DPDT	On-Off-On				
0.21" Toggle, 0.22" Bushing, PC Mount Terminals								
108-2MS1T2B3M2QE-EVX	L	0.20	SPDT	On-On				
108-2MS3T2B3M2QE-EVX	L	0.20	SPDT	On-Off-On				
108-2MD1T2B3M2QE-EVX	L	0.36	DPDT	On-On				
108-2MD3T2B3M2QE-EVX	L	0.36	DPDT	On-Off-On				
0.21" Horizontal Toggle, 0.22" Bushing, Right Angle PC Mount Terminals								
108-2MS1T2B2M6QE-EVX	M	0.20	SPDT	On-On				
108-2MS3T2B2M6QE-EVX	M	0.20	SPDT	On-Off-On				
108-2MD1T2B2M6QE-EVX	M	0.36	DPDT	On-On				
108-2MD3T2B2M6QE-EVX	M	0.36	DPDT	On-Off-On				

TOGGLE SWITCH CAPS

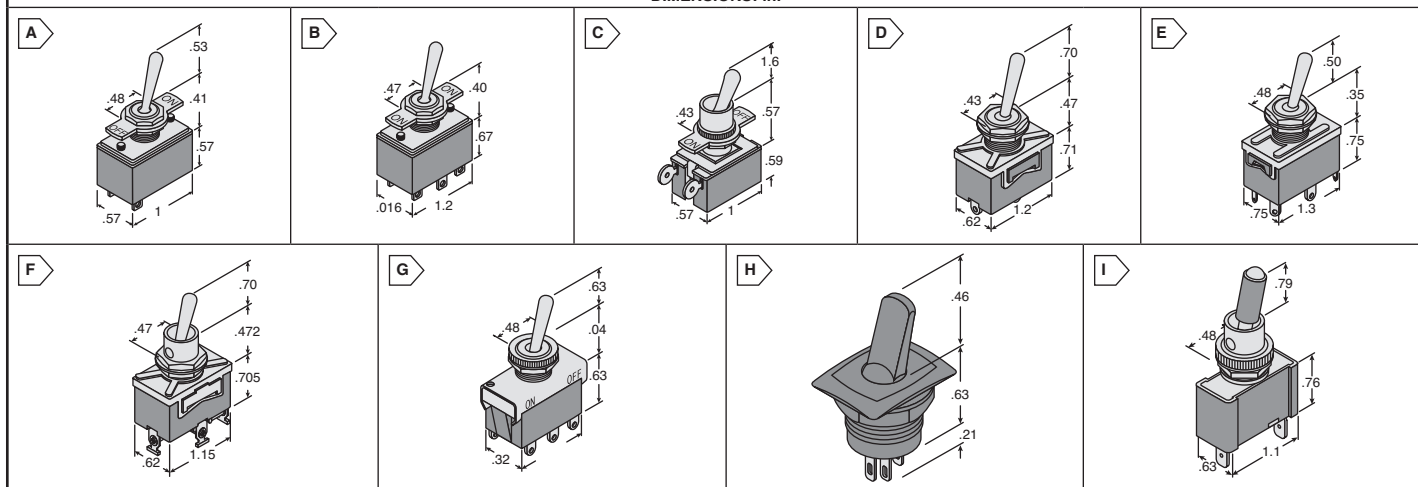
MOUSER STOCK NO.	Fig.	Color	Price Each		
			1	50	100
108-00323-EV	N	Red			
108-00332-EV	N	Black			
108-00341-EV	N	White			
108-00357-EV	N	Blue			
108-00365-EV	N	Yellow			
108-00376-EV	N	Green			

MOUNTAIN SWITCH Toggle Switches

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: in.



TOGGLE SWITCHES



RoHS Compliant

Standard Duty

• Rating: 3A/125VAC • Insulation Resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	50	100	500
103-0132-EVX	A	SPST	On-Off	1000VAC	50mΩ				
103-0008-EVX	B	DPDT	On-On	1000VAC	50mΩ				

Low Profile

• Rating: 6A/125VAC, 3A/250VAC • Insulation Resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	50	100	500
103-0009-EVX	C	SPST	On-Off	1000VAC	50mΩ				

Heavy Duty

• Rating: 15A/125VAC, 10A/250VAC • Insulation Resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	50	100	500
103-0010-EVX	D	SPST	On-Off	1500VAC	50mΩ				
103-0011-EVX	D	SPST	On-Off	1500VAC	50mΩ				
103-0012-EVX	E	DPDT	On-On	1500VAC	50mΩ				
103-0013-EVX	E	DPDT	On-On	1500VAC	50mΩ				
103-13293-EVX	F	SPDT	On-Off-On	1500VAC	50mΩ				

Metal Lever

• Rating: 6A/125VAC, 3A/250VAC • Insulation Resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	50	100	500
103-0014-EVX	G	SPST	On-Off	1500VAC	50mΩ				
103-0015-EVX	G	DPDT	On-On	1500VAC	50mΩ				
103-0016-EVX	G	DPST	On-Off	1500VAC	50mΩ				

Plastic Lever

• Insulation Resistance: 100MΩ min. • Rating: 6A/125VAC

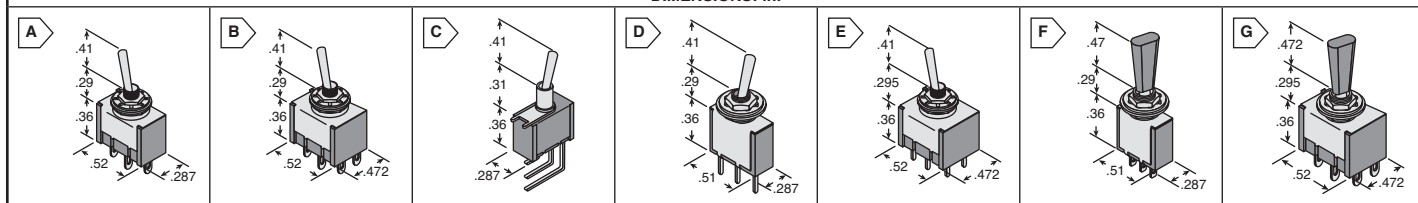
MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	50	100	500
103-4023-EV	H	SPDT	On-On	1500VAC	50mΩ				
103-4024-EV	H	DPDT	On-On	1500VAC	50mΩ				
103-4025-EV	H	DPDT	On-On	1500VAC	50mΩ				

Illuminated (LED) Toggle Switch

• Contact Resistance: 50mΩ max.

MOUSER STOCK NO.	Fig.	Type	Circuit	Cap Color	Mtg. Hole (In.)	Price Each				
						1	50	100	500	
20A/12VDC										
103-0003-EVX	I	SPST	On-Off	Green	0.59					

DIMENSIONS: in.



MINIATURE TOGGLE SWITCHES



RoHS Compliant

Specifications:

- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min. 500VDC
- Dielectric Strength: 1000VAC 1 minute
- Operation Temperature: -20°C to 65°C
- Rating: 6A/125V, 3A/250VAC
- Electrical Life: 50,000 make-and-break cycles at full load

Standard Lever - Solder Terminals

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
1055-TA1120B-EVX	A	SPDT	On-Off				
1055-TA1130B-EVX	A	SPDT	On-On				
1055-TA1135B-EVX	A	SPDT	On-Off-On				
1055-TA1160B-EVX	B	DPDT	On-On				
1055-TA1165B-EVX	B	DPDT	On-Off-On				

Standard Lever - PC Mount Terminals

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
1055-TA1220B-EVX	C	SPST	On-Off				
1055-TA1230B-EVX	C	SPDT	On-On				
1055-TA1320B-EVX	D	SPST	On-Off				
1055-TA1330B-EVX	D	SPDT	On-On				
1055-TA1360B-EVX	E	DPDT	On-On				
1055-TA1365B-EVX	E	DPDT	On-Off-On				

Flat Lever - Solder Terminals

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
1055-TA2120B-EVX	F	SPST	On-Off				
1055-TA2130B-EVX	F	SPDT	On-On				
1055-TA2135B-EVX	F	SPDT	On-Off-On				
1055-TA2160B-EVX	G	DPDT	On-On				

MOUNTAIN SWITCH Toggle Switches



MINIATURE TOGGLE SWITCHES

Specifications:

- Dielectric Strength: 1000VAC for 1 minute
- Electrical Life: over 10,000 operations
- Insulation Resistance: 100MΩ min.
- Contact Resistance: 20mΩ
- Mechanical Life: over 30,000 operations

Standard Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder Terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	50	100	500	1000
10TC220	A	SPST	On-Off					
10TC230	A	SPDT	On-On					
10TC235	A	SPDT	On-Off-On					
10TC245	A	SPDT	(On)-Off-(On)					
10TC260	A	DPDT	On-On					
10TC265	A	DPDT	On-Off-On					
10TC275	A	DPDT	(On)-Off-(On)					
10TC290	A	4PDT	On-On					
* 10TA330	B	SPDT	On-Off					
10TA830	C	SPDT	On-On					

* 10TA330: Metallized Plastic Flat Lever

- Rating: 6A/125VAC, 3A/250VAC
- PC Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	50	100	500	1000
10TF130	D	SPDT	On-On					
10TF230	E	SPDT	On-On					

Decorative Miniature Toggle Lever

- Plastic caps for miniature toggle switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions (in.)		Price Each				
			A	B	1	50	100	500	1000
10TB001	F	Red	.45	.18					
10TB002	F	Black	.45	.18					
10TB003	F	White	.45	.18					
10TB004	F	Blue	.45	.18					

SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Insulation Resistance: 100MΩ @ 500VDC min.
- Contact Resistance: 20mΩ
- Dielectric Strength: 1000VAC for 1 minute

Low Current Switches

- Rating: .3A/125VAC
- PC Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	50	100	500	1000
10TC405	G	SPST	On-Off					
10TC410	G	SPDT	On-On					
10TC415	G	DPDT	On-On					
10TC605	H	SPST	On-Off					
10TC610	H	SPDT	On-On					

- Rating: .30A/30VDC
- PC Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	50	100	500	1000
10TC412	G	SPDT	On-Off-On					

Standard Lever Switches

- Rating: 3A/125VAC
- Solder Terminals

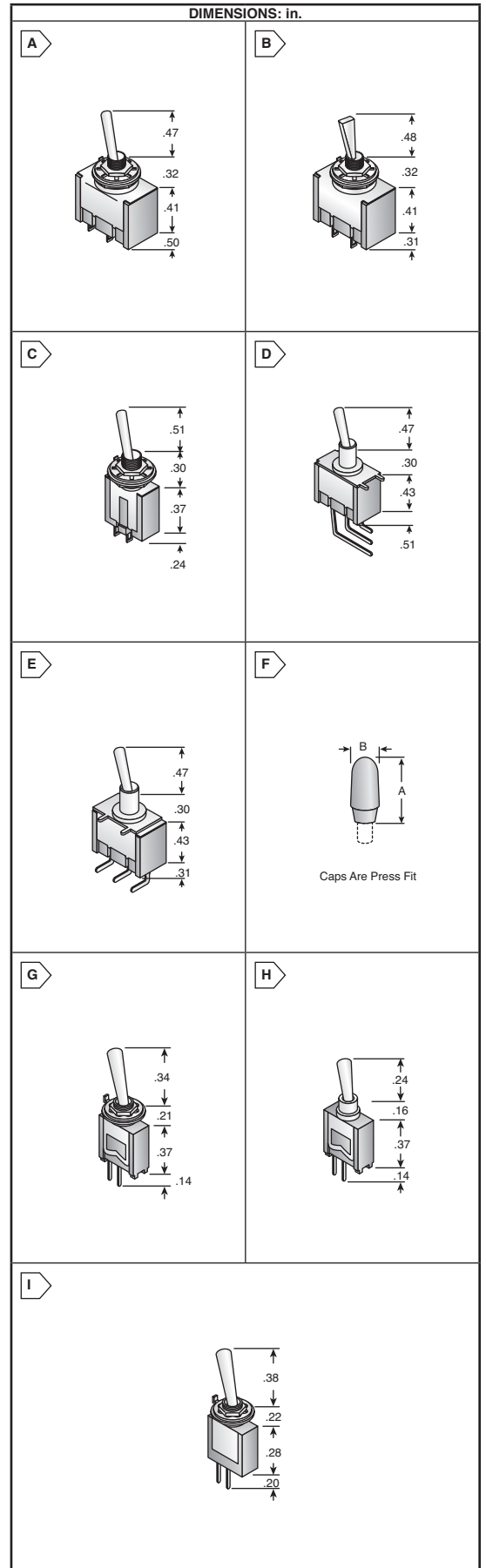
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	50	100	500	1000
10TA805	I	SPST	On-Off					

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

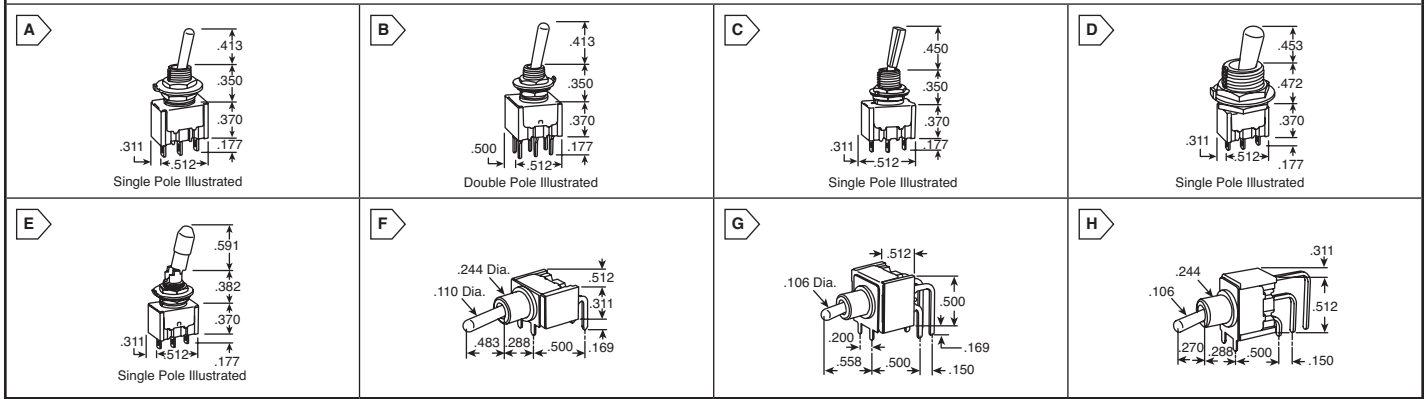


NAK Toggle and Tilt Switches



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: in.



NAK M SERIES: MINI SWITCHES WITH SMALL TOGGLES

Power Rating:

- 6A @ 125VAC and 3A @ 250VAC/30DC
- 4A @ 30VDC for On-None-On & On-None-Off



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NAK Part No.	Fig.	Circuit () Momentary	Term.	Price Each		
					1	25	50
Actuator: .413" Bat; .350" Threaded with Keyway							
633-M201101	M2011SS1W01	A	SPST On-None-Off	Solder			
633-M201201	M2012SS1W01	A	SPDT On-None-On	Solder			
633-M201301	M2013SS1W01	A	SPDT On-Off-On	Solder			
633-M201501-RO	M2015SS1W01	A	SPDT On-None-(On)	Solder			
633-M201801-RO	M2018SS1W01	A	SPDT (On)-Off-(On)	Solder			
633-M201901-RO	M2019SS1W01	A	SPDT On-Off-(On)	Solder			
633-M202401-RO	M2024SS1W01	A	SP3T On-On-On	Solder			
633-M202601-RO	M2026SS1W01	A	SP3T (On)-On-(On)	Solder			
633-M202701-RO	M2027SS1W01	A	SP3T On-On-(On)	Solder			
633-M202201	M2022SS1W01	A	DPDT On-None-On	Solder			
633-M202301	M2023SS1W01	A	DPDT On-Off-On	Solder			
633-M202501-RO	M2025SS1W01	A	DPDT On-None-(On)	Solder			
633-M202801-RO	M2028SS1W01	A	DPDT (On)-Off-(On)	Solder			
633-M202901-RO	M2029SS1W01	A	DPDT On-Off-(On)	Solder			
633-M204401-RO	M2044SS1W01	A	DP3T On-On-On	Solder			
633-M204601-RO	M2046SS1W01	A	DP3T (On)-On-(On)	Solder			
633-M204701-RO	M2047SS1W01	A	DP3T On-On-(On)	Solder			
633-M203201-RO	M2032SS1W01	A	3PDT On-None-On	Solder			
633-M204201-RO	M2042SS1W01	A	4PDT On-None-On	Solder			
633-M201203	M2012SS1W03	B	SPDT On-None-On	PC			
633-M201303	M2013SS1W03	B	SPDT On-Off-On	PC			
633-M201503	M2015SS1W03	B	SPDT On-None-(On)	PC			
633-M201803-RO	M2018SS1W03	B	SPDT (On)-Off-(On)	PC			
633-M201903-RO	M2019SS1W03	B	SPDT On-Off-(On)	PC			
633-M202403	M2024SS1W03	B	SP3T On-On-On	PC			
633-M202203	M2022SS1W03	B	DPDT On-None-On	PC			
633-M202303-RO	M2023SS1W03	B	DPDT On-Off-On	PC			
633-M203203-RO	M2032SS1W03	B	3PDT On-None-On	PC			
633-M204203-RO	M2042SS1W03	B	4PDT On-None-On	PC			
Actuator: .450" Flatted, .350" Threaded with Keyway							
633-M201202	M2012ES1W01	C	SPDT On-None-On	Solder			
633-M201502-RO	M2015ES1W01	C	SPDT On-None-(On)	Solder			
633-M201802	M2018ES1W01	C	SPDT (On)-Off-(On)	Solder			
633-M201902-RO	M2019ES1W01	C	SPDT On-Off-(On)	Solder			
633-M202402-RO	M2024ES1W01	C	SP3T On-On-On	Solder			
633-M202202-RO	M2022ES1W01	C	DPDT On-None-On	Solder			
633-M202302-RO	M2023ES1W01	C	DPDT On-Off-On	Solder			
633-M202502-RO	M2025ES1W01	C	DPDT On-None-(On)	Solder			
633-M202802-RO	M2028ES1W01	C	DPDT (On)-Off-(On)	Solder			

NAK M SERIES: MINI SWITCHES WITH LARGE TOGGLES

Power Rating:

- 6A @ 125VAC and 3A @ 250VAC/30DC
- 4A @ 30VDC for On-None-On & On-None-Off



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NAK Part No.	Fig.	Circuit () Momentary	Term.	Price Each		
					1	25	50
Actuator: .453" Bat, .472" Threaded with Keyway							
633-M201104	M2011BB1W01	D	SPST On-None-Off	Solder			
633-M201204	M2012BB1W01	D	SPDT On-None-On	Solder			
633-M201504-RO	M2015BB1W01	D	SPDT On-None-(On)	Solder			
633-M201804	M2018BB1W01	D	SPDT (On)-Off-(On)	Solder			
633-M202404-RO	M2024BB1W01	D	SP3T On-On-On	Solder			
633-M202204-RO	M2022BB1W01	D	DPDT On-None-On	Solder			
633-M203504-RO	M2035BB1W01	D	3PDT On-None-(On)	Solder			
633-M203804-RO	M2038BB1W01	D	3PDT (On)-Off-(On)	Solder			
633-M204504-RO	M2045BB1W01	D	4PDT On-None-(On)	Solder			
Actuator: .201" diameter Locking Lever, Threaded Keyway for Lever Lock							
633-M201205	M2012LL1W01	E	SPDT On-None-On	Solder			
633-M201305-RO	M2013LL1W01	E	SPDT On-Off-On	Solder			
633-M201505-RO	M2015LL1W01	E	SPDT On-None-(On)	Solder			
633-M201905-RO	M2019LL1W01	E	SPDT On-Off-(On)	Solder			
633-M202205	M2022LL1W01	E	DPDT On-None-On	Solder			
633-M204205	M2042LL1W01	E	4PDT On-None-On	Solder			

NAK M SERIES: MINI PC MOUNT TOGGLE SWITCHES

Contact Rating:

- Silver: 6A @ 125V AC and 3A @ 250V AC
- Gold: 0.4VA max. @ 28V AC/DC max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NAK Part No.	Fig.	Circuit () Momentary	Term.	Price Each		
					1	25	50
Right Angle PC							
633-M2013SA2G30-RO	M2013SA2G30	F	SPDT On-Off-On	Gold			
633-M2022SA2W30-RO	M2022SA2W30	G	DPDT On-None-On	Silver			
Vertical PC							
633-M2012SA2G40-RO	M2012SA2G40	H	SPDT On-None-On	Gold			
633-M2012SA2W40	M2012SA2W40	H	SPDT On-None-On	Silver			

NAK DS SERIES - CONTACTLESS TILT SWITCH

Specifications:

- Operating Angle: ±30° to ±60°
- Return Angle: 10° min.

Features:

- Photo interrupter ensures high reliability
- Sealed Construction
- UL94V-0

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NAK Part No.	Fig.	Description	Price Each		
				1	25	50
633-DS-BA1P	DSBA1P	A	On-Off Status, NC, Straight PC			
633-DS-BA1H	DSBA1H	B	On-Off Status, NC, Right Angle PC			

NAK DSA SERIES - HIGH CONTACT TILT SWITCH

Specifications:

- Contact Resistance: 100 milliohms maximum
- Contact Bounce (for reference) 500ms maximum

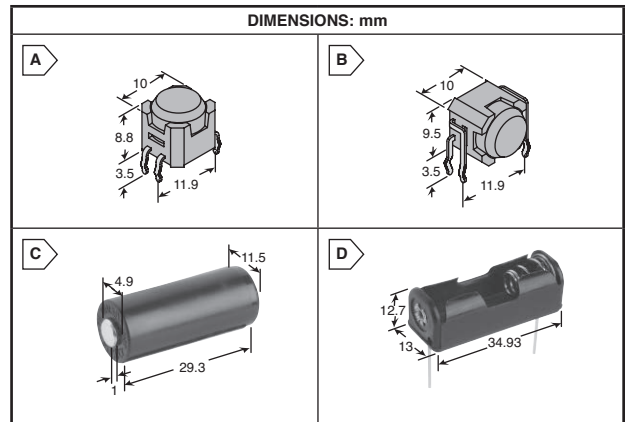
Features:

- Environmentally friendly, contains non mercury
- PCB adaptor available as an accessory
- Housing : PBT

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NAK Part No.	Fig.	Description	Price Each			
				1	25	50	
633-DSA01	DSA01	C	Single Pole Single Throw ON-OFF				
Optional Adaptor for DSA Series							
633-AT094	AT094	D	PC Mount Battery Holder				



NKK Toggle Switches



G SERIES: PROCESS SEALED ULTRA-MINIATURE TOGGLES

Specifications:
 • 0.4VA max. @ 28VAC/DC max.

Features:
 • Ultra-miniature size for high density mounting
 • Extremely light weight, 0.25g
 • Totally sealed body construction
 • .100" x .100" terminal spacing



RoHS Compliant

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each		
					1	25	50
633-G12AP	G12AP	A	SPDT On-None-On	Straight			
633-G13AP	G13AP	A	SPDT On-Off-On	Straight			
633-G22AP	G22AP	A	DPDT On-None-On	Straight			
633-G23AP	G23AP	A	DPDT On-Off-On	Straight			
633-G12AH-RO	G12AH	B	SPDT On-None-On	Right angle			
633-G13AH-RO	G13AH	B	SPDT On-Off-On	Right angle			
633-G22AH-RO	G22AH	B	DPDT On-None-On	Right angle			
633-G23AH	G23AH	B	DPDT On-Off-On	Right angle			
633-G12AV-RO	G12AV	C	SPDT On-None-On	Vertical			
633-G13AV	G13AV	C	SPDT On-Off-On	Vertical			
633-G22AV	G22AV	C	DPDT On-None-On	Vertical			
633-G23AV-RO	G23AV	C	DPDT On-Off-On	Vertical			

B SERIES: PROCESS SEALED ANTISTATIC SUBMINIATURE TOGGLES

Specifications:
 • Static capability: 3 kilovolts ESD
 • 0.4VA max. @ 28VAC/DC max.

Features:
 • Saves space on PC boards
 • Developed for logic-level applications
 • Totally sealed body construction
 • .100" x .100" terminal spacing



RoHS Compliant

()=Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each		
					1	25	50
633-B12AB-RO	B12AB	D	SPDT On-None-On	Straight w/bracket			
633-B13AB-RO	B13AB	D	SPDT On-Off-On	Straight w/bracket			
633-B22AB-RO	B22AB	D	DPDT On-None-On	Straight w/bracket			
633-B23AB-RO	B23AB	D	DPDT On-Off-On	Straight w/bracket			
633-B12AH-RO	B12AH	E	SPDT On-None-On	Right angle			
633-B22AH-RO	B22AH	E	DPDT On-None-On	Right angle			
633-B25AH-RO	B25AH	E	DPDT On-None-(On)	Right angle			
633-B28AH-RO	B28AH	E	DPDT (On)-Off-(On)	Right angle			
633-B29AH-RO	B29AH	E	DPDT On-Off-(On)	Right angle			
633-B12AV-RO	B12AV	F	SPDT On-None-On	Vertical			
633-B22AV-RO	B22AV	F	DPDT On-None-On	Vertical			
Threaded Bushing							
633-B12A1P	B12A1P	G	SPDT On-None-On	Straight			
633-B13A1P	B13A1P	G	SPDT On-Off-On	Straight			
633-B22A1P	B22A1P	G	DPDT On-None-On	Straight			
Locking Lever							
633-B12LB-RO	B12LB	H	SPDT On-None-On	Straight w/bracket			
633-B22LB-RO	B22LB	H	DPDT On-None-On	Straight w/bracket			
633-B23LB-RO	B23LB	H	DPDT On-Off-On	Straight w/bracket			

M2T SERIES: PROCESS SEALED MINIATURE TOGGLES

Specifications:
 • Silver: 6A @ 125VAC & 3A @ 250VAC
 • Gold: 0.4VA max. @ 28VAC/DC max.
 • UL94V-0 Rated



RoHS Compliant



() Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each		
					1	25	50
Straight PC							
633-M2T12SA5G03	M2T12SA5G03	I	SPDT On-None-On	Gold			
633-M2T12SA5W03	M2T12SA5W03	I	SPDT On-None-On	Silver			
633-M2T13SA5W03	M2T13SA5W03	I	SPDT On-Off-On	Silver			
633-M2T18SA5G03	M2T18SA5G03	I	SPDT (On)-Off-(On)	Gold			
633-M2T22SA5G03	M2T22SA5G03	J	DPDT On-None-On	Gold			
633-M2T22SA5W03	M2T22SA5W03	J	DPDT On-None-On	Silver			
Vertical PC							
633-M2T12S4A5G40-RO	M2T12S4A5G40	K	SPDT On-None-On	Gold			
633-M2T13S4A5G40-RO	M2T13S4A5G40	L	SPDT On-Off-On	Gold			

ENVIRONMENTALLY SEALED TOGGLE SWITCHES

Specifications:
 • Power rating: 10A @ 125VAC/30VDC, 6A @ 250VAC
 • UL94V-0 Standard

• Leads: AWG 16 heat resistant PVC
 • Sealing at front and back panel meets IP67 & IP60 of IEC529



RoHS Compliant

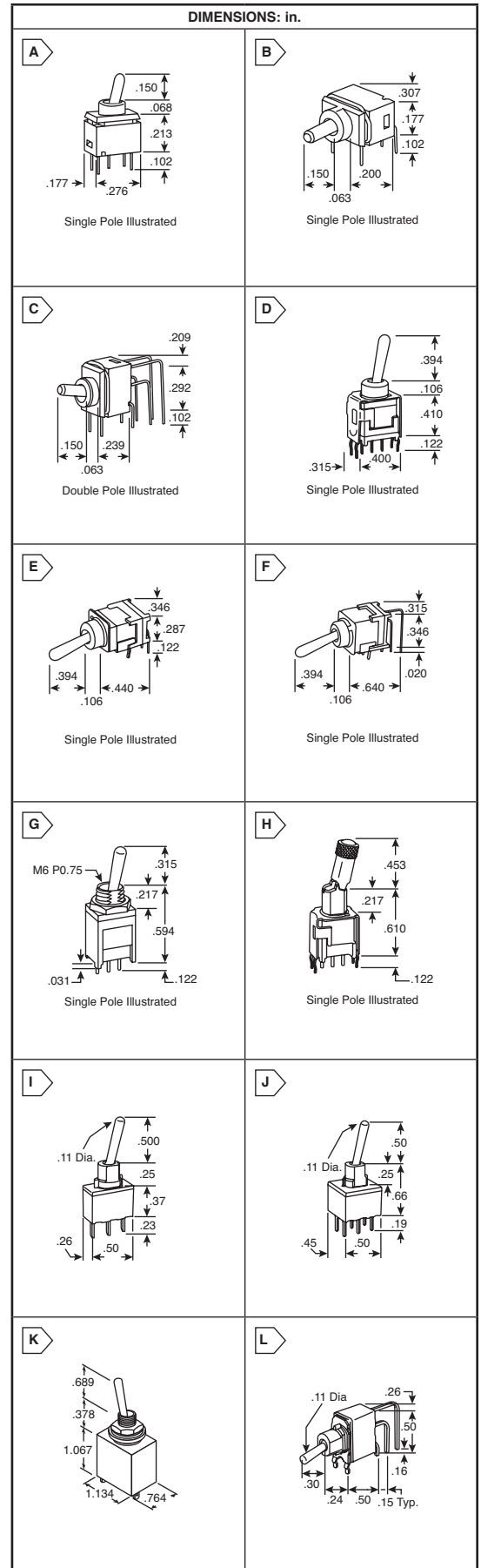
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
633-WT11S-RO	WT11S	K	SPST On-None-Off	Solder Lug				
633-WT11T-RO	WT11T	K	SPST On-None-Off	Screw Lug				

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics



Toggle Switches NKK

NKK Standard Size Med-High Capacity Toggle Switches



S SERIES

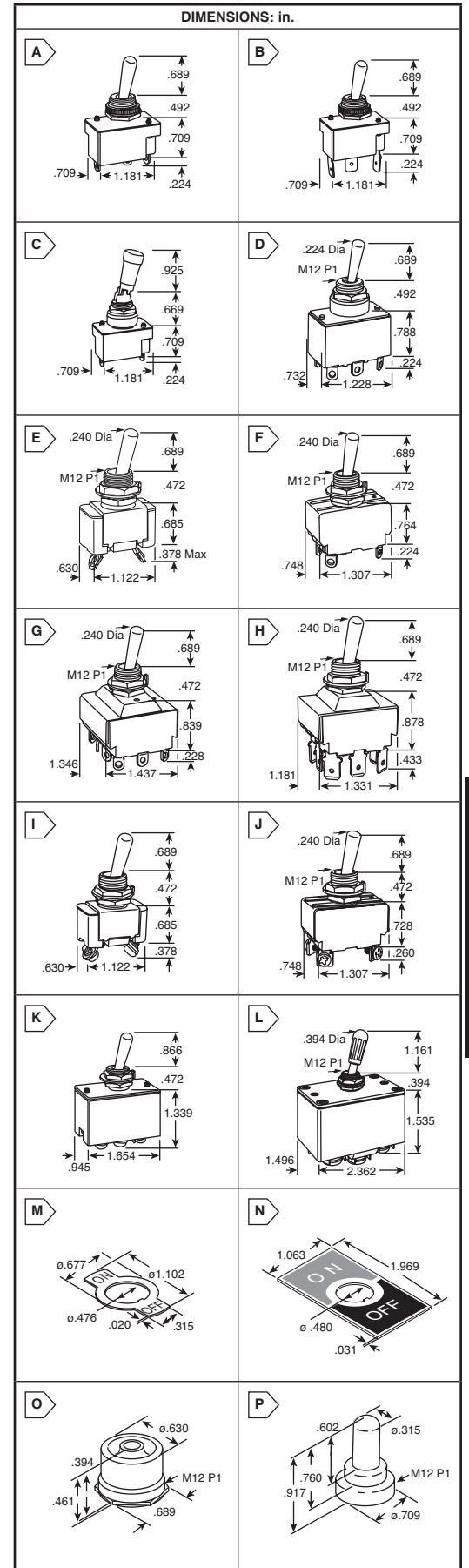
Specifications:

- 15A to 50A Rating
- 1 to 4 poles
- Bushing Mount
- Locking Lever available
- Panel Seal versions meet IP67 Standard



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ()=Momentary	Resistive Load				Inductive AC 125V PF 0.6	Price Each			
				AC 125V	AC 250V	DC 30V	AC 125V PF 0.6		1	25	50	100
Medium Capacity, Solder Lug Termination												
633-S1A	S1A	A	SPST On-None-Off	15A	6A	20A	8A					
633-S2A	S2A	A	SPDT On-None-On	15A	6A	20A	8A					
633-S3A-RO	S3A	A	SPDT On-Off-On	15A	6A	20A	8A					
633-S21A-RO	S21A	A	DPST On-None-Off	15A	15A	15A	8A					
633-S6A-RO	S6A	A	DPDT On-None-On	20A	10A	20A	8A					
633-S7A-RO	S7A	A	DPDT On-Off-On	20A	10A	20A	8A					
Medium Capacity, Quick Connect Termination												
633-S1F	S1F	B	SPST On-None-Off	15A	6A	20A	8A					
633-S2F-RO	S2F	B	SPDT On-None-On	15A	6A	20A	8A					
633-S3F-RO	S3F	B	SPDT On-Off-On	15A	6A	20A	8A					
633-S21F-RO	S21F	B	DPST On-None-Off	15A	15A	15A	8A					
633-S6F-RO	S6F	B	DPDT On-None-On	20A	10A	20A	8A					
633-S7F-RO	S7F	B	DPDT On-Off-On	20A	10A	20A	8A					
Medium Capacity, Solder Lug Termination with Locking Lever & Panel Seal												
633-S1AL-RO	S1AL	C	SPST On-None-Off	15A	6A	20A	8A					
633-S2AL-RO	S2AL	C	SPDT On-None-On	15A	6A	20A	8A					
633-S21AL-RO	S21AL	C	DPST On-None-Off	15A	15A	15A	8A					
633-S6AL-RO	S6AL	C	DPDT On-None-On	20A	10A	20A	8A					
633-S7AL-RO	S7AL	C	DPDT On-Off-On	20A	10A	20A	8A					
Medium Capacity, Solder Lug Termination with Panel Seal												
633-S1AW	S1AW	D	SPST On-None-Off	15A	6A	20A	-					
633-S5AW-RO	S5AW	D	SPDT On-None-(On)	15A	6A	20A	-					
633-S8AW-RO	S8AW	D	SPDT (On)-Off-(On)	15A	6A	20A	-					
633-S21AW-RO	S21AW	D	DPST On-None-Off	15A	15A	15A	-					
633-S6AW-RO	S6AW	D	DPDT On-None-On	20A	10A	20A	-					
633-S25AW-RO	S25AW	D	DPDT On-None-(On)	15A	6A	20A	-					
633-S28AW-RO	S28AW	D	DPDT (On)-Off-(On)	15A	6A	20A	-					
Medium/High Capacity, Solder Lug Termination												
633-S305-RO	S305	E	SPDT On-None-(On)	15A	6A	20A	8A					
633-S308-RO	S308	E	SPDT (On)-Off-(On)	15A	6A	20A	8A					
633-S309-RO	S309	E	SPDT On-Off-(On)	15A	6A	20A	8A					
633-S335-RO	S335	F	DPDT On-None-(On)	15A	6A	20A	8A					
633-S338-RO	S338	F	DPDT (On)-Off-(On)	15A	6A	20A	8A					
633-S31-RO	S31	G	3PST On-None-Off	25A	9A	20A	10A					
633-S32-RO	S32	G	3PDT On-None-On	25A	9A	20A	10A					
633-S33-RO	S33	G	3PDT On-Off-On	25A	9A	20A	10A					
633-S41-RO	S41	G	4PST On-None-Off	25A	9A	20A	10A					
633-S42RO	S42	G	4PDT On-None-On	25A	9A	20A	10A					
633-S43-RO	S43	G	4PDT On-Off-On	25A	9A	20A	10A					
Medium/High Capacity, Quick Connect Termination												
633-S31F-RO	S31F	H	3PST On-None-Off	25A	9A	20A	10A					
633-S32F-RO	S32F	H	3PDT On-None-On	25A	9A	20A	10A					
633-S33F-RO	S33F	H	3PDT On-Off-On	25A	9A	20A	10A					
633-S41F-RO	S41F	H	4PST On-None-Off	25A	9A	20A	10A					
633-S42F-RO	S42F	H	4PDT On-None-On	25A	9A	20A	10A					
633-S43F-RO	S43F	H	4PDT On-Off-On	25A	9A	20A	10A					
Medium/High Capacity, Screw Lug Termination												
633-S301T	S301T	I	SPST On-None-Off	15A	6A	20A	10A					
633-S302T-RO	S302T	I	SPDT On-None-On	15A	6A	20A	10A					
633-S303T-RO	S303T	I	SPDT On-Off-On	15A	6A	20A	10A					
633-S305T-RO	S305T	I	SPDT On-None-(On)	15A	6A	20A	8A					
633-S308T-RO	S308T	I	SPDT (On)-Off-(On)	15A	6A	20A	8A					
633-S309T-RO	S309T	I	SPDT On-Off-(On)	15A	6A	20A	8A					
633-S331T	S331T	J	DPST On-None-Off	15A	15A	15A	10A					
633-S332T-RO	S332T	J	DPDT On-None-On	15A	15A	15A	10A					
633-S333T-RO	S333T	J	DPDT On-Off-On	15A	15A	15A	10A					
633-S335T-RO	S335T	J	DPDT On-None-(On)	15A	6A	20A	8A					
633-S338T-RO	S338T	J	DPDT (On)-Off-(On)	15A	6A	20A	8A					
High Capacity, Screw Lug Termination												
633-S821-RO	S821	K	DPST On-None-Off	30A	30A	30A	30A					
633-S822-RO	S822	K	DPDT On-None-On	30A	30A	30A	30A					
633-S823-RO	S823	K	DPDT On-Off-On	30A	30A	30A	30A					
633-S831-RO	S831	K	3PST On-None-Off	30A	30A	30A	30A					
633-S832-RO	S832	K	3PDT On-None-On	30A	30A	30A	30A					
633-S833-RO	S833	K	3PDT On-Off-On	30A	30A	30A	30A					
633-S732	S732	L	DPDT On-None-On	50A	30A	50A	25A					



NKK Toggle Switches

Accessories for S Series

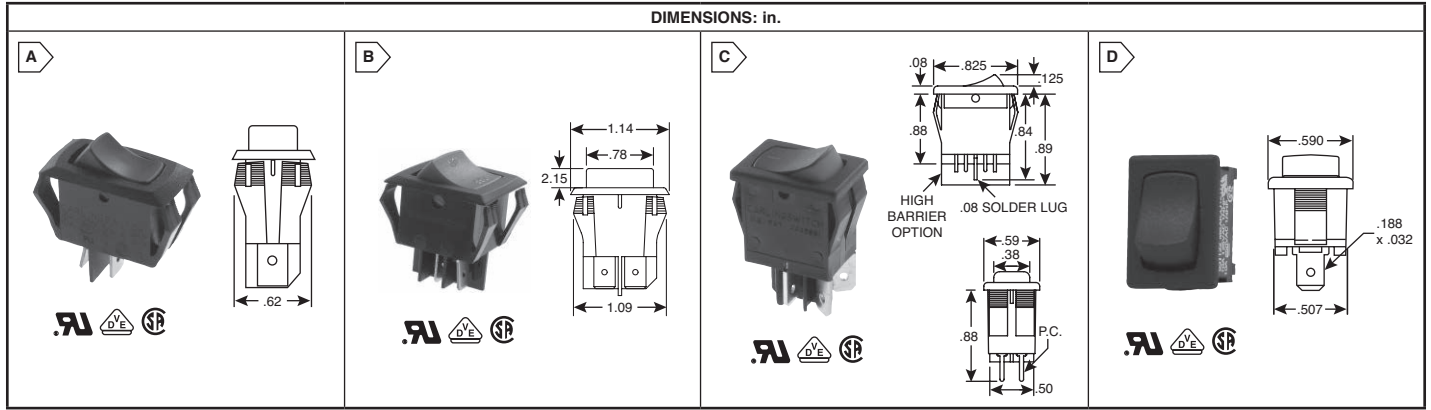


MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ()=Momentary	Price Each			
				1	25	50	100
633-AT201	AT201	M	On-Off Plate				
633-AT202	AT202	N	On-Off Plate Red/Black				
633-AT214	AT214	M	On-Off Plate Red/Black				
633-AT401	AT401A	O	Splashproof Half-Boot, Black				
633-AT402	AT402A	P	Splashproof Full-Boot, Black				

CARLING TECHNOLOGIES Rocker Switches



DIMENSIONS: in.



CARLING LRA AND LRG SERIES: SINGLE, DOUBLE AND PADDLE ROCKER SWITCHES

* 125V Neon Lamp
* 250V Neon Lamp

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Actuator Markings	Termination	Actuator/ Bezel Color	Price Each			
								1	25	50	100
* 691-LRA911RSB/125N	LRA911-RS-B/125N	A	SPST	OFF-NONE-ON	None	.250 QC tab	Clear Red/Black				
* 691-LRA211RSB/125N	LRA211-RS-B/125N	A	SPST	OFF-NONE-ON	None	.250 QC tab	Clear Red/Black				
* 691-LRGSC611RSB0	LRGSC611-RS-B-0/125N	B	DPST	OFF-NONE-ON	None	.250 Tabs	Black				
* 691-LRGSC611SBSBAN	LRGSC611-RS-B-A/125N	B	DPST	OFF-NONE-ON	OFF-ON vertical	.250 Tabs	Black				
* 691-LRGSC611SBSBEN	LRGSC611-RS-B-E/125N	B	DPST	OFF-NONE-ON	I-O vertical	.250 Tabs	Black				
** 691-LRGSC611RSB0250	LRGSC611-R-S-B-0/250N	B	DPST	OFF-NONE-ON	Red	None	Black.250 Tabs				

CARLING R SERIES: CURVETTE SNAP-IN ROCKER SWITCHES

- Contact Form: SPST
- Rating: 10A @ 250VAC/16A @ 125VAC/3/4HP 125-250VAC
- Termination: .250 QC Tab
- Circuit
- Actuator: Matte Finish
- Visi-Rocker Actuator Shows Red to Indicate "ON" Position

For quantities greater than listed, call for quote.

Standard Actuator								Price Each			
MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Termination	Actuator Color	Actuator Markings	1	25	50	100
691-RA901RBB0N	RA901-RB-B-0-N	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	None				
691-RA901RWB0N	RA901-RW-B-0-N	A	SPST	OFF-NONE-ON	.250 QC tab	White/Black	None				
691-RA901RBBAN	RA901-RB-B-A-N	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	OFF-ON vertical				
691-RA901RBBEN	RA901-RB-B-E-N	A	SPST	OFF-NONE-ON	.250 tab QC	Black/Black	None				
691-RA901RBBFN	RA901-RB-B-F-N	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	ON-OFF vertical				
691-RB901-RW-B-0-N	RB901-RW-B-0-N	A	SPST	ON-NONE-ON	.250 QC tab	White/Black	None				
691-RB901-RW-W-0-N	RB901-RW-W-0-N	A	SPST	ON-NONE-ON	.250 QC tab	White/White	None				
Visi-Rocker Actuator								Price Each			
691-RA901VBB0V	RA901-VB-B-0-V	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	None				
691-RA901VBB2V	RA901-VB-B-2-V	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	OFF-ON horizontal				
691-RA901VBB9V	RA901-VB-B-9-V	A	SPST	OFF-NONE-ON	.250 QC tab	Black/Black	O-I vertical				
691-RA901VWW1V	RA901-VW-W-1-V	A	SPST	OFF-NONE-ON	.250 QC tab	White/White	OFF-ON vertical				
691-RB901-VB-B-0-V	RB901-VB-B-0-V	A	SPST	ON-NONE-ON	.250 QC tab	Black/Black	None				
691-RB901-VB-B-1-V	RB901-VB-B-1-V	A	SPST	ON-NONE-ON	.250 QC tab	Black/Black	OFF-ON Vert				
691-RB901-VB-B-2-V	RB901-VB-B-2-V	A	SPST	ON-NONE-ON	.250 QC tab	Black/Black	OFF-ON horizontal				
691-RB901-VB-B-9-V	RB901-VB-B-9-V	A	SPST	ON-NONE-ON	.250 QC tab	Black/Black	O-I vertical				

CARLING 621 SERIES: SINGLE AND DOUBLE POLE ROCKER SWITCHES

- Rating: 4A@250VAC, 8A@125VAC, 6(4)A 250V

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Termination	† Actuator Color	Actuator Markings	Price Each			
								1	25	50	100
691-62115919-0-9-V	62115919-0-9-V	C	DPST	ON-NONE-OFF	Solder lug	Visi-RED	I-O vertical				
691-62111421-0-0-N	62111421-0-0-N	C	SPDT	ON-NONE-ON	Solder lug	Black	None				
691-62112421-0-0-N	62112421-0-0-N	C	DPDT	ON-NONE-ON	Solder lug	Black	None				
691-62116919-0-0-N	62116919-0-0-N	C	SPST	ON-NONE-OFF	Solder lug	Black	None				
691-62115929-0-0-V	62115929-0-0-V	C	DPDT	ON-NONE-ON	.0187 QC tabs	Visi-RED	None				
691-62116919-0-9-V	62116919-0-9-V	C	SPST	ON-NONE-OFF	.0187 QC tabs	Visi-RED	I-O vertical				

† Visi-Rocker is a black actuator with red molded on indicator.

CARLING 651 SERIES SUB-MINIATURE ROCKER SWITCHES

- Rating: 4A@250VAC, 8A@125VAC, 6(4)A 250V

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Terminals	† Actuator Color	Actuator Markings	Price Each			
								1	25	50	100
691-651122-BB-0N	651122-BB-0N	D	SPST	ON-NONE-OFF	.187 QC tabs	Black	No Legend				

† Visi-Rocker is a black actuator with red molded on indicator.

CARLING RG SERIES: SINGLE AND DOUBLE POLE ROCKER SWITCHES

- Rating: 15A @ 250VAC, 20A @ 125VAC, 3/4 HP @ 125-250VAC, 14(6)A @ 250VAC
- Circuit: OFF-NONE-ON
- Terminals: .250 QC Tabs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Actuator Color	Actuator Markings	Termination	Price Each			
								1	25	50	100
691-RGSCC201RBB0	RGSCC201-R-B-B-0	B	DPDT	OFF-NONE-ON	Black	None	.250 Tabs				
691-RGSCC201-R-B-B-E	RGSCC201-R-B-B-E	B	DPDT	OFF-NONE-ON	Black	I-O vertical	.250 Tabs				
691-RGSCA901RB-B-0	RGSCA901-R-B-B-0	B	SPST	OFF-NONE-ON	Black	None	.250 Tabs				
691-RGSCA901RB-B-E	RGSCA901-R-B-B-E	B	SPST	OFF-NONE-ON	Black	I-O vertical	.250 Tabs				
691-RGSCC901RB-B-0	RGSCC901-R-B-B-0	B	DPST	OFF-NONE-ON	Black	None	.250 Tabs				
691-RGSCC901RB-B-E	RGSCC901-R-B-B-E	B	DPST	OFF-NONE-ON	Black	I-O vertical	.250 Tabs				

CHERRY Rocker Switches



This product is RoHS compliant.



CHERRY MINIATURE ROCKER SWITCHES

Specifications:

- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10⁹ Ω min at 500VDC
- All part numbers have a black bezel.
- .187" Q.C. Terminals



LRA Series - Power Rating: 10A 125 VAC and 8A 250 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-LRA32H2FBBNN	LRA32H2FBBNN	A	DPST On-Off	Black / O -				
540-LRA22H2BBRLN	LRA22H2BBRLN	A	SPST On-Off	Red Illuminated / Blank				
540-LRA32H2BBRLN	LRA32H2BBRLN	A	DPST On-Off	Red Illuminated / Blank				

SR Series - Power Rating: 10A 125 VAC and 6A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-SRB22A2FBBNN	SRB22A2FBBNN	B	SPST On-Off	Black / O -				
540-SRB23A2BBBNN	SRB23A2BBBNN	B	SPDT On-On	Black / Blank				
540-SRB24A2HBBNN	SRB24A2HBBNN	B	SPDT On-Off-On	Black / I O II				
540-SRB22A2DBBNN	SRB22A2DBBNN	B	SPST On-Off	Black / ON OFF				

CHERRY POWER ROCKER SWITCHES

Specifications:

- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10⁹ Ω min at 500VDC
- All part numbers have a black bezel.
- .250" Q.C. Terminals



CR Series - Power Rating: 20A 125 VAC and 16A 250 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-CRE22F2FBBNE	CRE22F2FBBNE	C	SPST On-Off	Black / O -				
540-CRE22F4BBBNE	CRE22F4BBBNE	C	SPST On-Off	Black-Red / Blank				
540-CRE24F2HBBNE	CRE24F2HBBNE	C	SPDT On-Off-On	Black / I O II				
540-CRE22F2BBRLE	CRE22F2BBRLE	C	SPST On-Off	Red Illuminated / Blank				

PR Series - Power Rating: 6A 125 VAC and 3A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-PRK22J5BBBNN	PRK22J5BBBNN	D	SPST On-Off	Black / Blank				
540-PRK22J5DBBNN	PRK22J5DBBNN	D	SPST On-Off	Black / On-Off				

TR Series - Power Rating: 16A 125 VAC and 16A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-TRG22F2FBBNN	TRG22F2FBBNN	E	SPST On-Off	Black / O -				

WR Series - Power Rating: 16A 125 VAC and 16A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-WRG32F2FBBNN	WRG32F2FBBNN	F	DPST On-Off	Black / O -				

YR Series - Power Rating: 20A 125 VAC and 16A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Price Each			
					1	50	100	250
540-YRM32F2FBBNN	YRM32F2FBBNN	G	DPST On-Off	Black / O -				
540-YRM33F2BBBNN	YRM33F2BBBNN	G	DPDT On-On	Black / Blank				
540-YRM32F2BBRLN	YRM32F2BBRLN	G	DPST On-Off/Lighted	Black / Blank				

CHERRY ROUND ROCKER SWITCHES

Specifications:

- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10⁹ Ω min at 500VDC
- .187" Q.C. Terminals



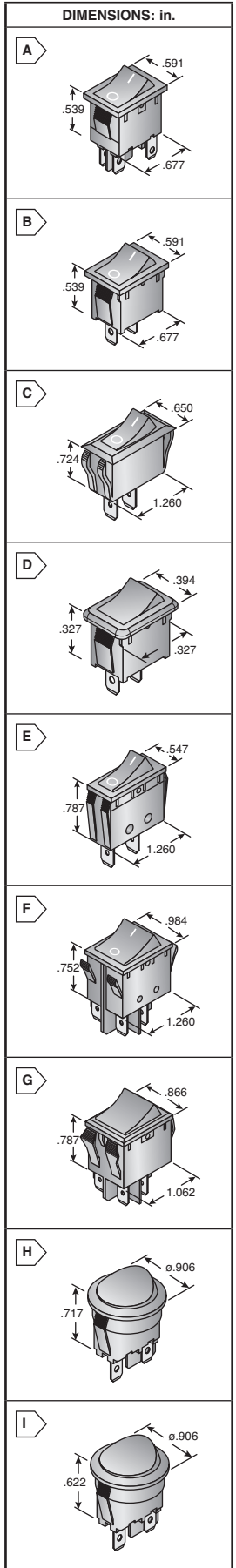
RR Series - Power Rating: 10A 125 VAC and 8A 250 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Bezel Color	Lamp	Price Each			
							1	50	100	250
540-RAA22H3FBRNN	RAA22H3FBRNN	H	SPST On-Off	Red / O -	Black	-				
540-RAA32H3FBBNN	RAA32H3FBBNN	H	DPST On-Off	Black / O -	Black	-				
540-RAA22H3BBRLN	RAA22H3BBRLN	H	SPST On-Off	Red Illuminated / Blank	Black	125 VAC				
540-RAA22H3BBGLN	RAA22H3BBGLN	H	SPST On-Off	Green Illuminated / Blank	Black	125 VAC				
540-RAA22H3BBALN	RAA22H3BBALN	H	SPST On-Off	Amber Illuminated / Blank	Black	125 VAC				
540-RAA32H3BBRLN	RAA32H3BBRLN	H	DPST On-Off	Red Illuminated / Blank	Black	125 VAC				
540-RAA22H3BBRHN	RAA22H3BBRHN	H	SPST On-Off	Red Illuminated / Blank	Black	12 VDC				

SR Series - Power Rating: 20A 125 VAC and 12A 250 VAC

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color / Legend	Bezel Color	Lamp	Price Each			
							1	50	100	250
540-SRJ22A3BBBNN	SRJ22A3BBBNN	I	SPST On-Off	Black / Blank	Black	-				
540-SRJ23A3BBBNN	SRJ23A3BBBNN	I	SPST On-On	Black / Blank	Black	-				
540-SRJ24A3BBBNN	SRJ24A3BBBNN	I	SPDT On-Off-On	Black / Blank	Black	-				
540-SRJ24A3HBBNN	SRJ24A3HBBNN	I	SPDT On-Off-On	Black / I O II	Black	-				



MARQUARDT Rocker Switches



MARQUARDT

NEW SUPPLIER

NEW SUPPLIER

Marquardt

Rocker Switches

NEW SUPPLIER

RoHS Compliant This page of product is compliant.

SERIES 1550 ROCKER SWITCHES

- TO 16(4)A 250V AC
- Circuit: On/Off

* EN 60335 cap. 30 conform "G"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each		
							1	10	25
979-1550.3609	1550.3609	A	SPST	Lower lying flange	Black/Red	Q.C.			
* 979-1551.3102	1551.3102	A	SPST	Inrush Current (100A)	Black	Q.C.			
979-1551.3103	1551.3103	A	SPST	Inrush Current (100A)	Black	Q.C.			
979-1552.3102	1552.3102	B	DPST	Inrush Current (100A)	Black	Q.C.			
979-1552.3602	1552.3602	B	DPST	Lower lying flange	Black	Q.C.			
979-1552.4602	1552.4602	C	DPST	Lower lying flange	Black	Solder Pin			
979-1555.3102	1555.3102	D	DPST	230V Lighting	Black/Red	Q.C.			
979-1555.3104	1555.3104	D	DPST	230V Lighting	Black/Orange	Q.C.			
979-1555.3108	1555.3108	D	DPST	230V Lighting	Black/Green	Q.C.			
979-1555.3109	1555.3109	D	DPST	110V Lighting	Black/Green	Q.C.			
979-1555.312	1555.312	D	DPST	110V Lighting	Black/Red	Q.C.			

SERIES 1800 ROCKER SWITCHES

- TO12(4)A 250V AC • Flamm. UL94-V2
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each		
							1	10	25
979-1800.1102	1800.1102	E	SPST	230V Lighting	Red Trans	Q.C.			
979-1800.1108	1800.1108	E	SPST	230V Lighting	Green Trans	Q.C.			
979-1801.1102	1801.1102	F	SPST	Inrush Current (50A)	Black	Q.C.			
979-1801.1151	1801.1151	F	SPST	Flamm. UL94-V0	Black	Q.C.			
979-1801.1908	1801.1908	F	SPST	Inrush Current (70A)	Black	Q.C.			
979-1801.2106	1801.2106	G	SPST	Inrush Current (50A)	Black	Solder Pin			
979-1801.6102	1801.6102	H	SPST	Inrush Current (50A)	Black	Solder Terminal			
979-1801.6122	1801.6122	H	SPST	Flamm. UL94-V0	Black	Solder Terminal			
979-1802.1102	1802.1102	I	DPST	Inrush Current (50A)	Black	Q.C.			
979-1802.1123	1802.1123	I	DPST	Inrush Current (70A)	Black	Q.C.			

SERIES 1830 ROCKER SWITCHES

- TO 20(4)A 250V AC
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each		
							1	10	25
979-1830.3112	1830.3112	J	SPST	230V Lighting	Red Trans	Q.C.			
979-1831.1107	1831.1107	K	SPST	DIN 46244-A4.8 Plug	Black	Q.C.			
979-1831.3312	1831.3312	L	SPST	Inrush Current (120A)	Black	Q.C.			
979-1831.3402	1831.3402	M	SPST	DIN 46244-A6.3 Plug	Black	Q.C.			
979-1831.3933	1831.3933	M	SPST	Inrush Current (120A)	Black	Q.C.			
979-1832.1102	1832.1102	N	DPST	DIN 46244-A4.8 Plug	Black	Q.C.			
979-1832.3312	1832.3312	N	DPST	Inrush Current (120A)	Black	Q.C.			
979-1832.3602	1832.3602	N	DPST	Cover frame 33.2 long	Black	Q.C.			
979-1835.3112	1835.3112	N	DPST	230V Lighting	Red Trans	Q.C.			
979-1835.3118	1835.3118	N	DPST	230V Lighting	Green Trans	Q.C.			

SERIES 1855/1858 MINIATURE ROCKER SWITCHES

- TO 4(1)A 250V AC (Series 1855)
- TO 10(4)A 250V AC 1E4 (Series 1858)
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each		
							1	10	25
979-1855.1102	1855.1102	O	DPST	230V Lighting	Red Trans	Q.C.			
979-1855.1104	1855.1104	O	DPST	230V Lighting	Orange Trans	Q.C.			
979-1855.1108	1855.1108	O	DPST	230V Lighting	Green Trans	Q.C.			
979-1855.1122	1855.1122	O	DPST	110V Lighting	Green Trans	Q.C.			
979-1858.0104	1858.0104	P	DPST	White Markings	Black	Solder Terminal			
979-1858.1102	1858.1102	Q	DPST	No Markings	Black	Q.C.			
979-1858.1103	1858.1103	Q	DPST	White Markings	Black	Q.C.			
979-1858.4205	1858.4205	R	DPST	White Markings	Black	Solder Pin			

SERIES 1881 ROCKER SWITCHES

- TO 12(4)A 250V AC
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each	Price Each	Price Each
979-1881.1104	1881.1104	S	SPST	Inrush Current (70A)	Red	Q.C.			

SERIES 1900 SMALLEST ROCKER SWITCHES

- TO 6(2)A 250V AC
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each	Price Each	Price Each
979-1901.1102	1901.1102	T	SPST	21mm Bezel	Black	Q.C.			
979-1901.1103	1901.1103	T	SPST	Silver Markings	Black	Q.C.			
979-1911.1102	1911.1102	T	SPST	25mm bezel	Black	Q.C.			

SERIES 1935 ROCKER SWITCHES

- TO 20(4)A 250V AC
- Circuit: On/Off

For quantities greater than listed, call for quote.

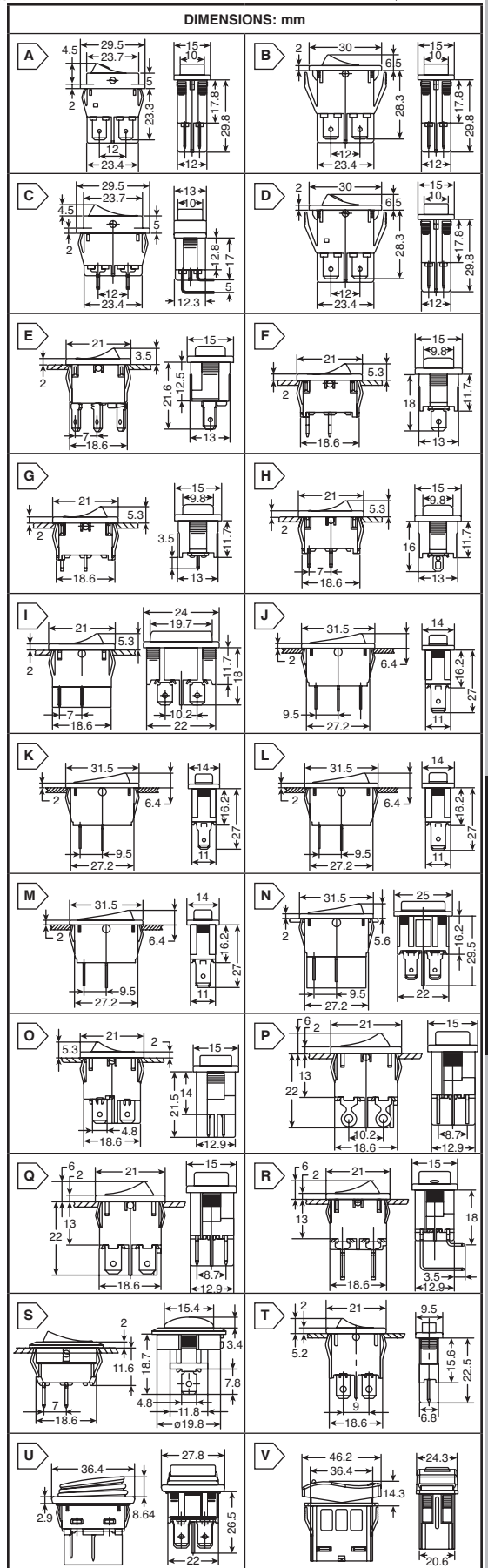
MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each	Price Each	Price Each
979-1932.3112	1932.3112	U	DPST	Inrush Current (120A)	Black	Q.C.			
979-1935.3112	1935.3112	U	DPST	250V Lighting	Red Trans	Q.C.			
979-1935.3113	1935.3113	U	DPST	250V Lighting	Colorless Trans	Q.C.			
979-1935.3118	1935.3118	U	DPST	250V Lighting	Green Trans	Q.C.			

SERIES 3250 HARSH ENVIRONMENTS ROCKER SWITCH

- TO 20(10)A 24V DC 1E5
- Circuit: On/Off

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Marquardt Part No.	Fig.	Contact Form	Miscellaneous	Actuator/LED Color	Termination	Price Each	Price Each	Price Each
979-3251.0002	3251.0002	V	SPST	24V Lighting	Black/Red/Gr	Q.C.			
979-3251.0004	3251.0004	V	SPST	12V Lighting	Black/Green	Q.C.			
979-3251.0005	3251.0005	V	SPST	24V Lighting	Black/Green	Q.C.			



MOUNTAIN SWITCH Rocker Switches



RoHS Compliant This product is RoHS compliant.

SEALED SUB-MINIATURE ROCKER SWITCHES

• Rating: 1A/250VAC, 3A/120VAC or 28VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Actuator Dimensions W (in.)	Price Each			
					1	50	100	500
103-7024-EVX	A	SPDT	On-On	0.23				
103-7028-EVX	A	SPDT	(On)-Off-(On)	0.30				
103-7025-EVX	B	SPDT	On-On	0.23				
103-7027-EVX	B	SPDT	On-Off-On	0.23				
103-7029-EVX	B	SPDT	On-Off-(On)	0.30				

SEALED MINIATURE ROCKER SWITCHES

• Rating: 2A/250VAC, 5A/120VAC or 28VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Actuator Type	Price Each			
					1	50	100	500
103-7018-EVX	C	SPDT	(On)-Off-(On)	Rocker				
103-7020-EVX	D	DPDT	On-On	Rocker				
103-7023-EVX	E	DPDT	On-Off-On	Rocker				

MINIATURE ROCKER SWITCHES

• Rating: 2A/250VAC, 5A/120VAC or 28VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Actuator Type	Price Each			
					1	50	100	500
103-7006-EVX	F	SPDT	On-On	Rocker				
103-7007-EVX	G	SPDT	On-On	Rocker				
103-7009-EVX	F	SPDT	On-Off-On	Paddle				
103-7010-EVX	H	SPDT	(On)-Off-(On)	Rocker				

ROCKER SWITCHES

Panel Mounting

• Solder Terminals
• Rating: 5A/125VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Cap Color	Price Each			
					1	50	100	500
107-DS850K-00	I	SPST	On-Off	Black				
107-DS850K-02	I	SPST	On-Off	Black marked On-Off				
107-DS850K-0G	J	SPST	On-Off	Illum. Green/LED				
107-DS850K-0R	J	SPST	On-Off	Illum. Red/LED				

Screw Type Mounting

• Contact Resistance: 50mΩ Max.
• Insulation Resistance: 500VDC 100MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Cap Color	Price Each			
					1	50	100	500
Rating: 16A/125VAC, 10A/250VAC Terminal Type: .187" QC								
103-R13-135A-02-EV	K	SPST	On-Off	Black				
103-R13-135A2-02-EV	K	SPST	On-Off	Illum. Black/Red Indicator				
103-R13-135B-02G-EV	K	SPST	On-Off	Illum. Red/Neon				
103-R13-135B-02R-EV	K	SPST	On-Off	Illum. Green/Neon				
103-R13-135B2-02R-EV	K	SPST	On-Off	Illum. Red Dot/Neon				
103-R13-135C-02-EV	K	SPDT	On-On	Black				
103-R13-135D-02-EV	K	SPDT	On-Off-On	Black				

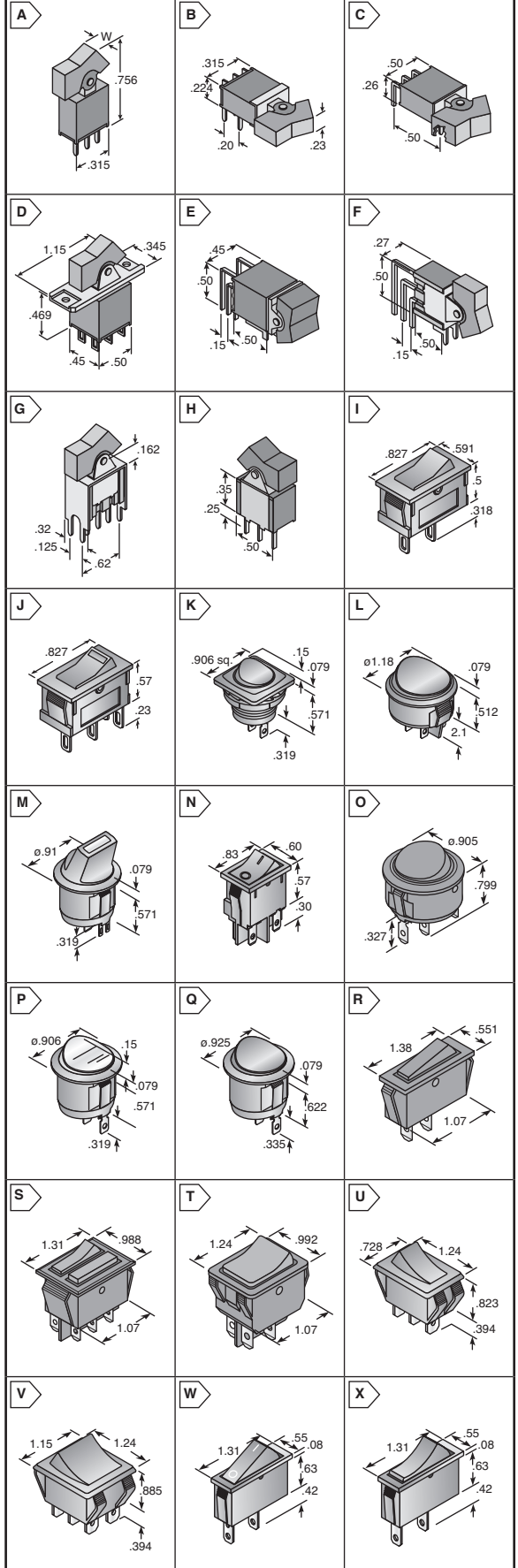
Snap-In Mounting

• Contact Resistance: 50mΩ Max.
• Insulation Resistance: 500VDC 100MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Cap Color	Price Each			
					1	50	100	500
Rating: 8A/125VAC/250VAC Terminal Type: .187" QC								
103-R13-245A-02-EV	L	DPST	On-Off	Black				
103-R13-245B-02R-EV	L	DPST	On-Off	Illum. Red/Neon				
103-R13-245D-02-EV	L	DPDT	On-Off-On	Black				
Rating: 10A/125VAC, 6A/250VAC Terminal Type: .187" QC								
103-R13-112LP-02G-EV	M	SPST	On-Off	Green Paddle End/LED				
103-R13-112LP-02Y-EV	M	SPST	On-Off	Yellow Paddle End/LED				
103-R13-73A-EV	N	DPST	On-Off	Black marked I-O				
Rating: 16A/125VAC, 10A/250VAC Terminal Type: .187" QC								
103-7051-EV	O	SPST	On-Off	Black				
103-7053-EV	O	SPST	On-Off	Illum. Red/Neon				
103-7055-EV	O	SPST	On-Off	Illum. Green Dot/Neon				
103-7056-EV	O	SPST	On-Off	Illum. Red Dot/Neon				
103-R13-112A-02-EV	P	SPST	On-Off	Black				
103-R13-112B-02G-EV	P	SPST	On-Off	Illum. Green/Neon				
103-R13-112B-02R-EV	P	SPST	On-Off	Illum. Red/Neon				
103-R13-112B2-02R-EV	P	SPST	On-Off	Illum. Red Dot/Neon				
103-R13-112C-02-EV	P	SPDT	On-On	Black				
103-R13-112D-02-EV	P	SPDT	On-Off-On	Black				
103-R13-244C-02-EV	Q	DPDT	On-On	Black				
103-R13-244D-02-EVX	Q	DPDT	On-Off-On	Black				
Rating: 16A/125VAC, 10A/250VAC Terminal Type: .250" QC								
103-7047-EV	R	SPST	On-Off	Illum. Red/Neon				
103-7048-EV	R	SPST	On-Off	Illum. Green/Neon				
103-7076-EV	S	SPST	On-Off	Illum. Yellow/Red Indicator				
103-7079-EV	T	DPST	On-Off	Illum. Red/Neon				
103-7080-EV	T	DPST	On-Off	Illum. Green/Neon				
103-7081-EV	R	SPST	On-Off	Black				
103-7082-EV	R	SPST	On-Off	Illum. Red/Neon				
103-7084-EV	R	SPST	On-Off	Illum. Green/Neon				
103-R13-205A3-01-EV	U	SPST	On-Off	Black				
103-R13-205B-01R-EV	U	SPST	On-Off	Illum. Red/Neon				
103-R13-240A-01-EV	V	DPST	On-Off	Black				
103-R13-240B-01R-EV	V	DPST	On-Off	Illum. Red/Neon				
103-R13-240C-01-EV	V	DPDT	On-On	Black				
103-R13-70A-EV	W	SPST	On-Off	Black marked I-O				
103-R13-91A-EV	X	SPST	On-Off	Black marked I-O				

DIMENSIONS: in.



NKK Rocker Switches

RoHS Compliant This product is RoHS compliant.



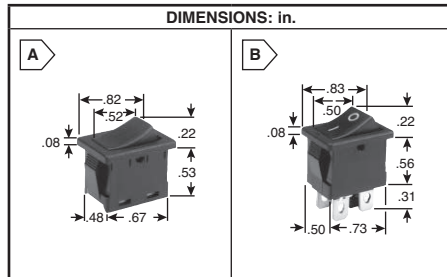
NKK CW SERIES: SNAP-IN POWER ROCKERS

Power Rating: • CWSA & CWSB: 6A @ 250V AC • CWT: 6A @ 125V AC; 3A @ 250V AC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Inscription	Termination	Price Each			
						1	25	50	100
633-CWSA12AANS	CWSA12AANS	A	SPDT On-None-On	None	Solder lug				
633-CWSB11AAF	CWSB11AAF	B	SPST On-None-Off	None	Quick connect				
633-CWSB11AA1F	CWSB11AA1F	B	SPST On-None-Off	Horizontal	Quick connect				
633-CWSB11AA2F	CWSB11AA2F	B	SPST On-None-Off	Vertical	Quick connect				
633-CWSB11AA3F	CWSB11AA3F	B	SPST On-None-Off	Dot	Quick connect				
633-CWSB21AA1F	CWSB21AA1F	B	DPST On-None-Off	Horizontal	Quick connect				
633-CWSB21AA2F	CWSB21AA2F	B	DPST On-None-Off	Vertical	Quick connect				
633-CWT12AAS1	CWT12AAS1	C	SPDT On-None-On	None	Solder lug				



NKK CW SERIES: ILLUMINATED SNAP-IN MINIATURE ROCKERS

Single Element LED Specifications

Termination:

- LED illuminated rockers:
 - .110" solder/quick connect
 - Neon illuminated rockers:
 - .187" solder/quick connect

Color	Red	Amber	Green
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	1.95V	2.0V	2.1V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	0.41mA/°C	0.29mA/°C	0.39mA/°C
Ambient Temperature Range	-10~+50°C		

Neon Lamp Specifications

Color	Red	Amber	Green
Voltage AC	125V	125V	125V
Internal Series Resistance	33KΩ	33KΩ	68KΩ
Current	1.4mA	1.4mA	0.6mA
Endurance (Hours)	15,000	15,000	8,000

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Illumination	Rocker Description	Price Each			
						1	25	50	100
LED Illumination, Power Rating: 9A @ 125V AC or 6A @ 250V AC									
633-CWSC11JCACS	CWSC11JCACS	D	SPST On-None-Off	Red	Clear/Red Diffuser				
633-CWSC11JFAFS	CWSC11JFAFS	D	SPST On-None-Off	Green	Clear/Green Diffuser				
633-CWSC21JCACS	CWSC21JCACS	D	DPST On-None-Off	Red	Clear/Red Diffuser				
633-CWSC21JFAFS	CWSC21JFAFS	D	DPST On-None-Off	Green	Clear/Green Diffuser				

Neon Illumination, Power Rating: 9A @ 125V AC

633-CWSB21CACF	CWSB21CACF	E	DPST On-None-Off	Red	Red				
633-CWSB21FAFF	CWSB21FAFF	E	DPST On-None-Off	Green	Green				

NKK JW SERIES: HIGH INRUSH TV RATED ROCKERS

Power Rating:

- JWM: TV-5 Rated 10A @ 125/250V AC
- JWL: TV-8 Rated 16A @ 125/250V AC

Terminations:

- JWM: .110" solder/quick connect
- JWL: .187" solder/quick connect

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Cap Color	Inscription	Price Each			
						1	25	50	100
633-JWM11RAA	JWM11RAA	F	SPST On-Off	Black	None				
633-JWM11BA1A-A	JWM11BA1A-A	F	SPST On-Off	Black	Horizontal				
633-JWM11BA2A-A	JWM11BA2A-A	F	SPST On-Off	Black	Vertical				
633-JWM11RC2A	JWM11RC2A	F	SPST On-Off	Red	Vertical				
633-JWM12RAA	JWM12RAA	F	SPDT On-On	Black	None				
633-JWM21BA1A-A	JWM21BA1A-A	F	DPST On-Off	Black	Horizontal				
633-JWM21BA2A-A	JWM21BA2A-A	F	DPST On-Off	Black	Vertical				
633-JWM21RA1A	JWM21RA1A	F	DPST On-Off	Black	Horizontal				
633-JWM21RA2A	JWM21RA2A	F	DPST On-Off	Black	Vertical				
633-JWM22RAA	JWM22RAA	F	DPDT On-On	Black	None				
633-JWM22BAA-A	JWM22BAA-A	F	DPST On-On	Black	None				
633-JWM22RAA/UCV	JWM22RAA/UCV	F	DPDT On-On	Black	None				
633-JWM22RCA/UCV	JWM22RCA/UCV	F	DPDT On-On	Black	None				
633-JWM22RCA	JWM22RCA	F	DPDT On-On	Red	None				
633-JWS11BAAF-A	JWS11BAAF-A	G	DPST On-Off	Black	None				
633-JWS21BCA-A	JWS21BCA-A	G	DPST On-Off	Red	None				
633-JWS21RAA	JWS21RAA	G	DPST On-Off	Black	None				
633-JWL11RAA	JWL11RAA	H	SPST On-Off	Black	None				
633-JWL11BA2A-A	JWL11BA2A-A	H	SPST On-Off	Black	None				
633-JWL11BCA-H	JWL11BCA-H	H	SPST On-Off	Red	None				
633-JWL11RA2A	JWL11RA2A	H	SPST On-Off	Black	Vertical				
633-JWL21BA2A-A	JWL21BA2A-A	H	DPST On-Off	Black	None				
633-JWL21RA1A	JWL21RA1A	H	DPST On-Off	Black	Horizontal				
633-JWL21RA2A	JWL21RA2A	H	DPST On-Off	Black	Vertical				
633-JWL22RAA	JWL22RAA	H	DPDT On-On	Black	None				
633-JWL22BAA-A	JWL22BAA-A	H	DPDT On-On	Black	None				
633-JWL22RCA	JWL22RCA	H	DPDT On-On	Red	None				

JWLW: IP67 of IEC60529 Standards

633-JWLW21RA1A	JWLW21RA1A	I	DPST On-Off	Black	Horizontal				
633-JWLW21RC1A	JWLW21RC1A	I	DPST On-Off	Red	Horizontal				
633-JWLW22RAA	JWLW22RAA	I	DPDT On-On	Black	None				
633-JWLW22RCA	JWLW22RCA	I	DPDT On-On	Red	None				
633-JWMMW11RA1A	JWMMW11RA1A	F	SPST On-Off	Black	Horizontal				
633-JWMMW21RA2A	JWMMW21RA2A	F	DPST On-Off	Black	Vertical				

NKK SW SERIES: MEDIUM AND HIGH CAPACITY ROCKER SWITCHES

Specifications:

- Solder and screw lug terminals available
- Long electrical and mechanical life
- Screw lug includes screws and mounting hardware
- Actuator Color: White



MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Resistive Load				Inductive	Price Each				
				AC 125V	AC 250V	AC 30V	AC 15A		AC 15A	AC 15A	AC 10A	1	25
633-SW3006A-RO	SW3006A	J	DPDT On-None-On	20A	10A	20A	10A	10A					
633-SW3007A-RO	SW3007A	J	DPST On-Off-On	15A	6A	15A	10A	10A					
633-SW3008A-RO	SW3008A	J	DPDT (On)-None-(On)	15A	6A	15A	10A	10A					

High Capacity, Screw Lug Termination

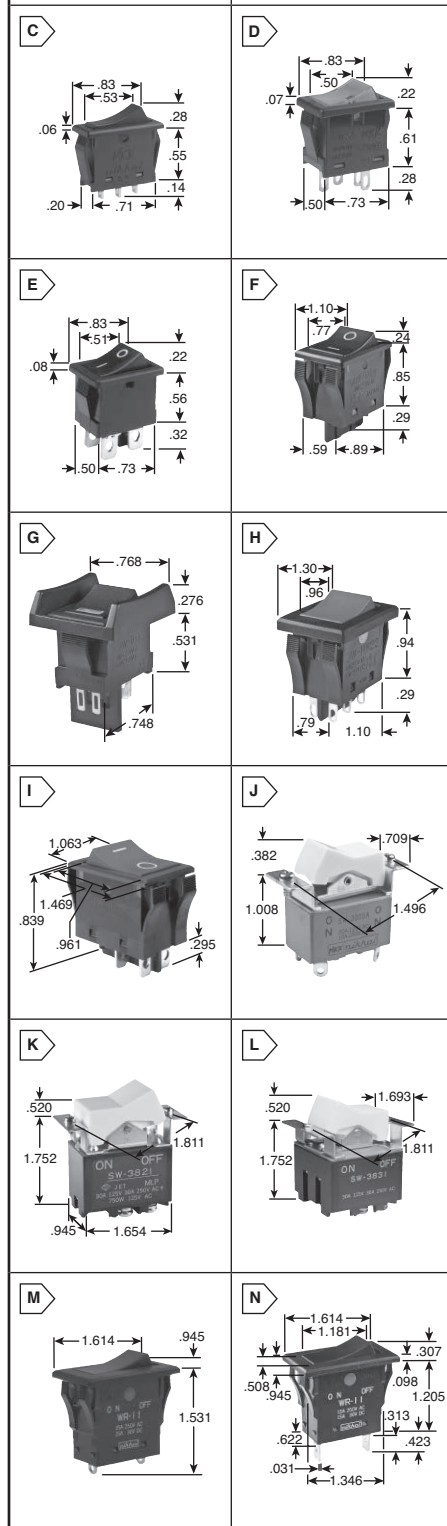
633-SW3821-RO	SW3821	K	DPST On-None-Off	30A	30A	30A	30A						
633-SW3822-RO	SW3822	K	DPDT On-None-On	30A	30A	30A	30A						
633-SW3831-RO	SW3831	L	3PST On-None-Off	30A	30A	30A	30A						
633-SW3832-RO	SW3832	L	3PDT On-None-On	30A	30A	30A	30A						
633-SW3833-RO	SW3833	L	3PDT On-Off-On	30A	30A	30A	30A						

NKK ENVIRONMENTALLY SEALED ROCKER SWITCHES

Specifications:

- Power rating: 15A @ 125/250V AC or 15A @ 30V DC
- Actuator color: Black
- UL94V-0 Flammability Rating
- Wire leads: AWG 16 heat resistant PVC
- IP67 of IEC529

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
633-WR11AS	WR11AS	M	SPST On-None-Off	Solder lug				
633-WR11AF	WR11AF	N	SPST On-None-Off	.250" QC				
633-WR13AF	WR13AF	N	SPDT On-Off-On	.250" QC				



NKK Rocker Switches

SHIN CHIN Rocker Switches



RoHS Compliant This product is RoHS compliant.

ROCKER SWITCHES

Specifications:

- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC 100MΩ min.

R13-49 Series

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder
- Screw Type Mounting

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Cap Color	Price Each			
						1	50	100	500
112-R13-49A-R/B	R13-49A-05-BR1	A	SPST	On-Off	Red with White Dot				
112-R13-49B-R/B	R13-49B-05-BR	A	DPDT	On-On	Red				

R13-66 Series

- Snap-in Mounting

Waterproof Cover

Rating: 16A/125VAC; Terminal Type: Solder									
112-R13-66A8	R13-66A8-02-BB	B	SPST	On-Off	Black				
Rating: 16A/125VAC, 10A/250VAC; Terminal Type: .187" QC									
112-R13-66A-B	R13-66A-02-BB2	C	SPST	On-Off	Black marked I-O				
112-R13-66B-G	R13-66B-02-BGG-N1	C	SPST	On-Off	Illum. Green/Neon				
112-R13-66B-R	R13-66B-02-BRR-N1	C	SPST	On-Off	Illum. Red/Neon				
112-R13-66D	R13-66D-02-BB6	C	SPDT	On-Off-On	Black marked I-O-II				
112-R13-66L-R	R13-66L-02-BBRR-L1	C	SPST	On-Off	Illum. Red/LED				

R13-73 Series

- Rating: 10A/125VAC, 6A/250VAC
- Snap-in Mounting
- Terminal Type: .187" QC

112-R13-73A2-B	R13-73A2-02-BB	D	DPST	On-Off	Black marked I-O				
-----------------------	----------------	---	------	--------	------------------	--	--	--	--

R13-112 Series

- Terminal Type: .187" QC
- Snap-In Mounting

Waterproof Cover

Rating: 10A/250VAC									
112-R13-112B8W-BRR	R13-112B8W-02-BRR-N2	E	SPST	On-Off	Illum. Red/Neon				
Rating: 16A/125VAC									
112-R13-112A8	R13-112A8-02-BB	E	SPST	On-Off	Black				
Rating: 20A/12VDC									
112-R13-112B8W-BUU	R13-112B8W-02-BUU-L1	E	SPST	On-Off	Illum. Blue/Neon				
112-R13-112AH-W1	R13-112AH-W1-02-UB	F	SPST	On-Off	Illum. Blue/Neon				

R13-130 Series

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder
- Screw Type Mounting

112-R13-130A	112-130A-05-BB2	G	SPST	On-Off	Black marked I-O				
112-R13-130B	112-130B-05-BB	G	DPDT	On-On	Black				
112-R13-130C	112-130C-05-BB	G	SPDT	On-On	Black				

R13-136 Series

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder
- Screw Type Mounting

112-R13-136A-B	R13-136A-05-BB2	H	SPST	On-Off	Black marked I-O				
112-R13-136A-R	R13-136A-05-BR2	H	SPST	On-Off	Red marked I-O				

R13-213 Series

- Rating: 6A/125VAC, 3A/250VAC
- Terminal Type: .110" QC
- Screw Type Mounting

112-R13-213A-B	R13-213A-03-BB	I	SPST	On-Off	Black				
-----------------------	----------------	---	------	--------	-------	--	--	--	--

R13-226 Series

- Terminal Type: .250" QC
- Snap-in Mounting

Rating: 6A/250VAC									
112-R13-226B-N2	R13-226B-01-WRR-N2	J	SPST	On-Off	Illum. Red/Neon				

R13-228 Series

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder
- Screw Type Mounting

112-R13-228A	R13-228A-05-BB2	K	SPST	On-Off	Black marked I-O				
---------------------	-----------------	---	------	--------	------------------	--	--	--	--

R13-239 Series

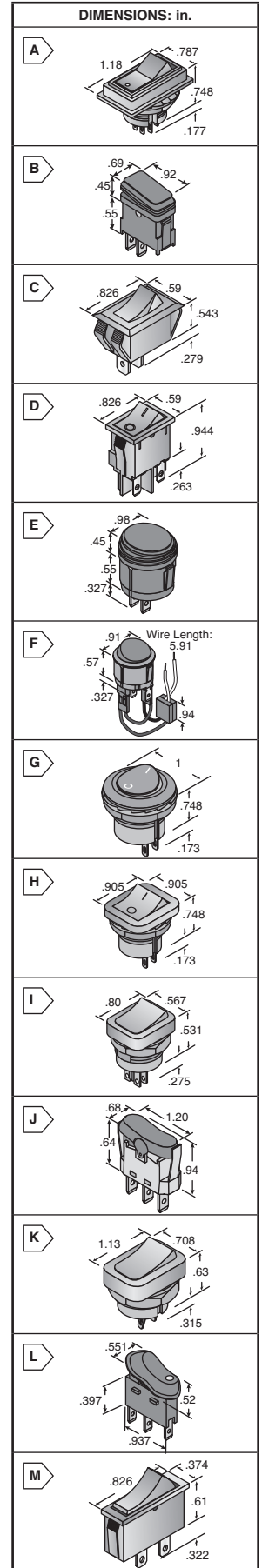
- Terminal Type: .187" QC
- Snap-in Mounting

Rating: 10A/125VAC									
112-R13-239B-N1	R13-239B-02-BBR-N1	L	SPST	On-Off	Illum. Red Dot/Neon				

R13-243 Series


- Rating: 8A/125VAC, 4A/250VAC
- Terminal Type: .187" QC
- Snap-In Mounting

112-R13-243A	R13-243A-02-BB	M	SPST	On-Off	Black				
112-R13-243F	R13-243F-02-BB	M	SPST	(On)-Off	Black				



Shin Chin Rocker Switches

ALCOSWITCH Slide Switches

RoHS Compliant  This product is RoHS compliant.

ASE/F SERIES: SLIDE SWITCHES

Specifications:

- Terminal seal: Insert molded
- Contact resistance: 40mΩ max.
- Contact timing: Shorting
- Contact rating: Gold, 0.4VA;
Silver, 300mA @ 115VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Dimension L	Contact Form	Contact Material	Price Each			
							1	10	25	
Extended Actuator, Open Ended Case, Natural										
506-ASE2204	1825010-1	ASE2204	A	10.2	DPDT	Silver				
506-ASE22G04	1825010-2	ASE22G04	A	10.2	DPDT	Gold				
506-ASE4204	1-1825010-3	ASE4204	A	17.8	4PDT	Silver				
506-ASE6204	3-1825010-7	ASE6204	A	25.4	6PDT	Silver				
Flush Actuator, Tape Seal, Sealed Case										
506-ASF2204	1825011-1	ASF2204	B	10.2	DPDT	Silver				
506-ASF4204	2-1825011-1	ASF4204	B	17.8	4PDT	Silver				

MSS SERIES: INSTRUMENTATION GRADE SLIDE SWITCHES

- Contact rating: Gold: 0.4VA @ 20VDC
- Contact material: Gold or silver over nickel
- Silver - 300mA @ 125VAC
- Contact timing: Make-before-break

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Contact Form	Mounting Style	Contact Material	Price Each		
							1	10	25
506-MSS120004	1825257-1	MSS120004	C	SPDT	Vertical	Silver			
506-MSS2200G04	1825261-2	MSS2200G04	C	DPDT	Vertical	Gold			
506-MSS2250G04	1825263-2	MSS2250G04	D	DPDT	Vertical	Gold			
506-MSS2250R04	1571630-2	MSS2250R04	E	DPDT	Right angle	Silver			
506-MSS420004	1825264-1	MSS420004	F	4PDT	Vertical	Silver			
506-MSS4200R04	1825265-1	MSS4200R04	G	4PDT	Right angle	Silver			
506-MSS4200G04	1825264-2	MSS4200G04	F	4PDT	Vertical	Gold			

SLS SERIES: MINIATURE, ROLLING CONTACT SLIDE SWITCHES

- Contact timing: Break-before-make
- Contact material: Ag over Ni over Cu alloy
- Contact rating: 250mA @ 125VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Contact Form	Mounting Style	Price Each		
						1	10	25
506-SLS121PC04	1825115-1	SLS121PC04	H	SPDT	Vertical			
506-SLS121RA04	1825116-1	SLS121RA04	I	SPDT	Right angle			
506-SLS131PC04	1825117-1	SLS131PC04	J	SP3T	Vertical			
506-SLS131RA04	1825118-1	SLS131RA04	K	SP3T	Right angle			

SSA SERIES: MICRO SIZE INSTRUMENTATION GRADE SLIDE SWITCHES

- Contact timing: Break-before-make
- Case material: Polyester PPS UL94V-0
- Contact rating: Gold - 250mA @ 20VDC
- Silver - 100mA @ 30 VDC
- Contact material: Silver or gold plate

For quantities greater than listed, call for quote.

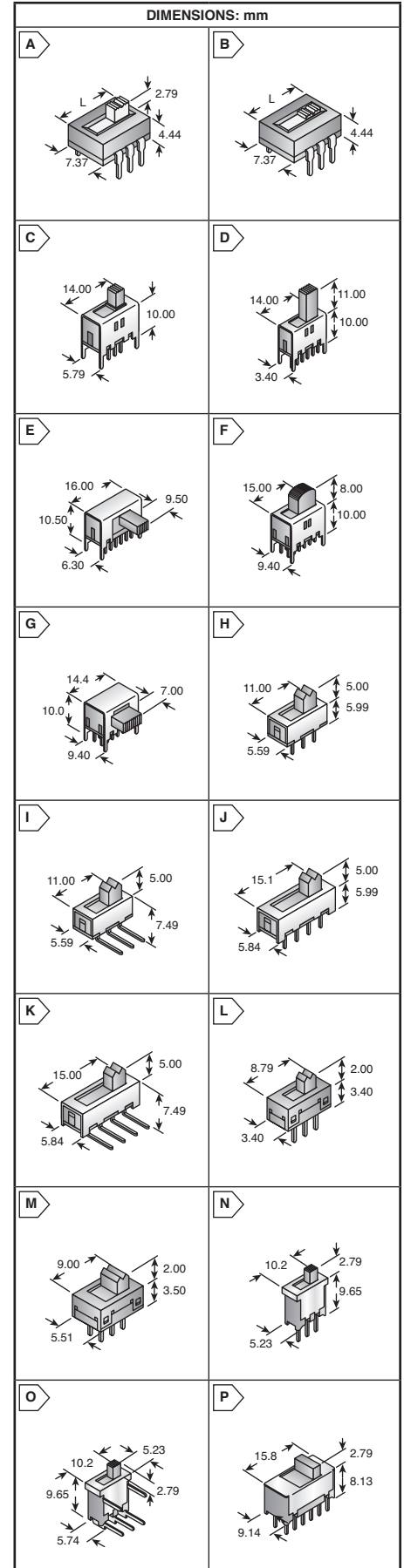
MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Contact Form	Contact Material	Price Each		
						1	10	25
506-SSA12	1-1437575-4	SSA12	L	SPDT	Silver			
506-SSA12G	1-1437575-5	SSA12G	L	SPDT	Gold			
506-SSA22	1-1437575-6	SSA22	M	DPDT	Silver			
506-SSA22G	1-1437575-7	SSA22G	M	DPDT	Gold			

TSS SERIES: SLIDE SWITCHES

- Case material: Polyester UL94V-0
- Contact material: Cu with Au over Ni
- Contact rating: 250mA @ 20VDC
- Contact timing: Non-shorting
- Switch function: On-None-On

For quantities greater than listed, call for quote.

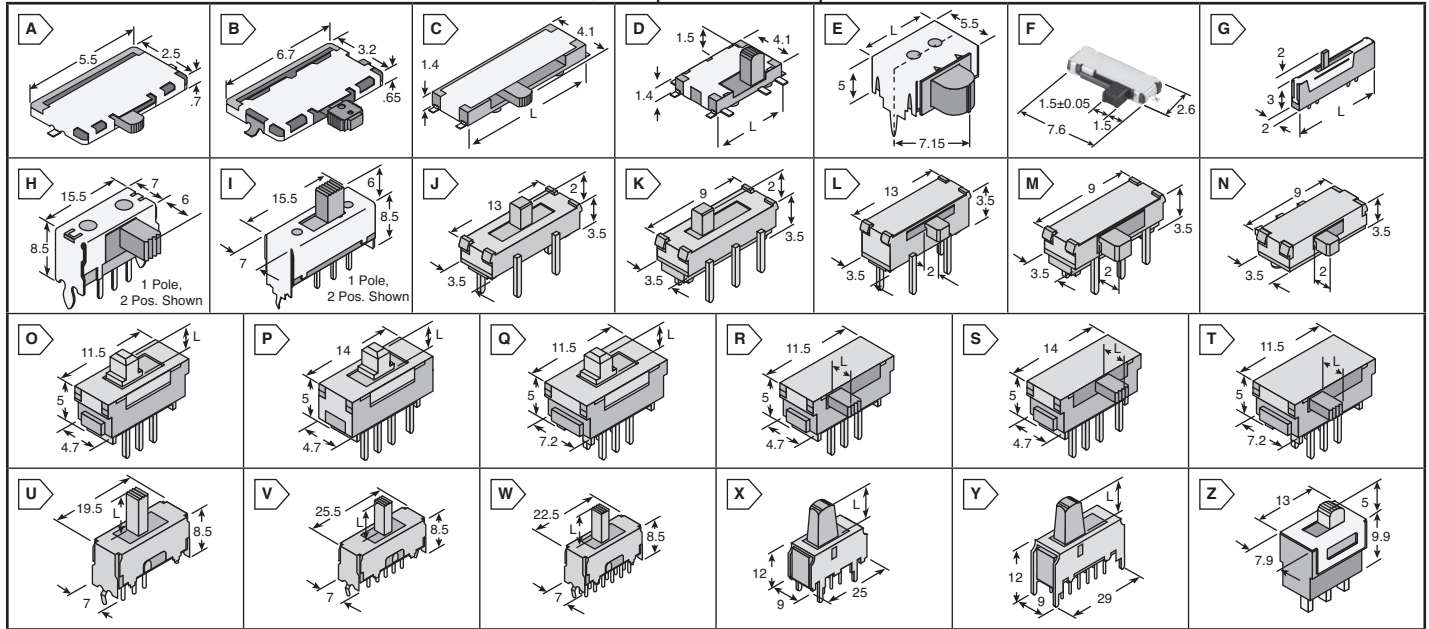
MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Contact Form	Mounting Style	Price Each		
						1	10	25
506-TSS11DGPC04	1571982-1	TSS11DGPC04	N	SPDT	Vertical			
506-TSS11DGRA04	1571984-1	TSS11DGRA04	O	SPDT	Right angle			
506-TSS41NGPC	2-1437579-5	TSS41NGPC	P	4PDT	Vertical			



ALPS Slide Switches

ALPS

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: mm

SLIDE SWITCHES

PRODUCT **NEW**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	No. of Poles	No. of Pos.	Contact Rating	Mounting Style	Actuation Direction	Changeover Timing	Location Lug	Dim. L (mm)	Features	Price Each			
													1	50	100	500
688-SSAJ110100	SSAJ110100	A	1.4	1	2	10mA @ 5VDC	SMD	Horizontal	Not Specified	Yes	----	Compact				
688-SSAJ120100	SSAJ120100	A	1.4	1	2	10mA @ 5VDC	SMD	Horizontal	Not Specified	No	----	Compact				
688-SSAD110100	SSAD110100	B	1.5	1	2	1mA @ 5VDC	SMD	Horizontal	Not specified	Yes	----	Low profile				
688-SSSS811101	SSSS811101	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	6.7	With ground				
688-SSSS810201	SSSS810201	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	9.7	With ground				
688-SSSS820201	SSSS820201	D	1.5	2	2	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	6.7	With ground				
688-SSSS820501	SSSS820501	D	1.5	2	3	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	9.7	With ground				
688-SSAC120100	SSAC120100	E	1.5	2	2	1mA @ 5VDC	PCB	Horizontal	Non-shorting	----	9.5	With external knob				
688-SSAC120200	SSAC120200	E	1.5	2	3	1mA @ 5VDC	PCB	Horizontal	Not specified	----	11	With external knob				
688-SSAL120100	SSAL120100	F	2.0	1	2	10mA @ 5VDC	SMD	Horizontal	Not specified	No	7.6	----				
688-SSAL220100	SSAL220100	F	2.0	1	2	10mA @ 5VDC	SMD	Horizontal	Not specified	No	7.6	----				
688-SSSS710603	SSSS710603	G	2.0	1	2	0.3A @ 4VDC	PCB	Horizontal	Not specified	----	8.8	Standard type				
688-SSSS711403	SSSS711403	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Standard type				
688-SSSS7A0101	SSSS7A0101	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Single-side recoil				
688-SSSF111800	SSSF111800	H	2.0	1	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose				
688-SSSF114900	SSSF114900	H	2.0	1	3	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose				
688-SSSF121900	SSSF121900	H	2.0	2	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose				
688-SSSF011700	SSSF011700	I	2.0	1	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose				
688-SSSF014800	SSSF014800	I	2.0	1	3	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose				
688-SSSF021500	SSSF021500	I	2.0	2	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose				
688-SSSS211900	SSSS211900	J	2.0	1	3	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting				
688-SSSS222700	SSSS222700	K	2.0	2	2	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting				
688-SSSS212200	SSSS212200	L	2.0	1	3	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting				
688-SSSS223200	SSSS223200	M	2.0	2	2	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting				
688-SSSS211603	SSSS211603	N	2.0	1	2	0.3A @ 6VDC	SMD	Horizontal	Non-shorting	----	----	High density mounting				
688-SSSS912000	SSSS912000	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability				
688-SSSS912500	SSSS912500	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability				
688-SSSS919500	SSSS919500	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	2	High operability				
688-SSSS919800	SSSS919800	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	4	High operability				
688-SSSS922000	SSSS922000	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability				
688-SSSS922500	SSSS922500	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability				
688-SSSS916900	SSSS916900	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability				
688-SSSS916400	SSSS916400	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability				
688-SSSS91B900	SSSS91B900	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	2	High operability				
688-SSSS91B600	SSSS91B600	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	4	High operability				
688-SSSS926400	SSSS926400	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability				
688-SSSS925800	SSSS925800	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability				
688-SSSU011700	SSSU011700	U	3.0	1	2	0.1A @ 30VDC	Snap-in PCB	Vertical	Non-shorting	----	6	Large size, general purpose				
688-SSSU012200	SSSU012200	U	3.0	1	2	0.1A @ 30VDC	Snap-in PCB	Vertical	Non-shorting	----	9	Large size, general purpose				
688-SSSU014800	SSSU014800	V	3.0	1	3	0.1A @ 30VDC	Snap-in PCB	Vertical	Non-shorting	----	6	Large size, general purpose				
688-SSSU022800	SSSU022800	U	3.0	2	2	0.1A @ 30VDC	Snap-in PCB	Vertical	Non-shorting	----	9	Large size, general purpose				
688-SSSU042100	SSSU042100	W	3.0	4	2	0.1A @ 30VDC	Snap-in PCB	Vertical	Non-shorting	----	9	Large size, general purpose				
688-SSSB022200	SSSB022200	X	4.0	2	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	9	Reliable operational feel				
688-SSSB042000	SSSB042000	Y	4.0	4	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	6	Reliable operational feel				

POWER SLIDE SWITCH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	Contact Form	Contact Rating	Mounting Style	Actuation Direction	Operating Force	Features	Price Each			
										1	50	100	500
688-SDKTA20100	SDKTA20100	Z	2.2	SPDT	6A @ 125 VAC	PCB	Vertical	0.98±3.92N	Smooth sliding operation				

C&K Slide Switches



C&K AYZ SERIES: MINIATURE SLIDE SWITCHES

Specifications:

- Dielectric Strength: 0.1kV @ 50Hz/1 min.
- Max Switching Voltage: 12VDC
- PC thru-hole termination
- Max Switching Power: 1.2VA
- Max. Switching Current: 100mA
- Silver plated contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
611-AYZ0102AGRLC	AYZ0102AGRLC	A	SPDT	On-On				
611-AYZ0202AGRLC	AYZ0202AGRLC	B	DPDT	On-On				

C&K ES SERIES: SEALED TINY SLIDE SWITCHES

Specifications:

- Actuator Height: .121"
- Mechanical and Electrical Life: 40,000 make-and-break cycles at full load
- Contact Rating: 0.4VA max. @ 20VAC or DC max.
- Dielectric Strength: 500Vrms min.
- Lead free



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
PC Thru-Hole								
611-ES21MCBE	ES21MCBE	C	DPDT	On-None-On				
Right-Angle PC Thru-Hole								
611-ES22MABE	ES22MABE	D	DPST	Off-None-On				
611-ES01MAVBE	ES01MAVBE	E	SPDT	On-None-On				
Right-Angle Surface Mount								
611-ES03MSABE	ES03MSABE	F	SPDT	On-Off-On				

C&K OS SERIES: MINIATURE SLIDE SWITCHES

Specifications:

- Dielectric Strength: 500VAC for 1 minute
- Mechanical and Electrical Life: 10,000 cycles
- Contact Rating: 0.2A @ 30VDC
- Shorting or Non-shorting contacts
- PC and panel mounting
- Variety of actuators and terminations
- * Non-Shorting ** Shorting



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
Vertical Termination								
* 611-OS102011MS2QN1	OS102011MS2QN1	G	SPDT	On-On				
** 611-OS102011MS2QS1	OS102011MS2QS1	G	SPDT	On-On				
611-OS103011MS8QP1	OS103011MS8QP1	H	SP3T	On-On-On				
611-OS103012MU1QP1	OS103012MU1QP1	I	SP3T	On-On-On				
611-OS103012MU2QP1	OS103012MU2QP1	J	SP3T	On-On-On				
* 611-OS202011MS2QN1	OS202011MS2QN1	K	DPDT	On-On				
** 611-OS202011MS2QS1	OS202011MS2QS1	K	DPDT	On-On				
* 611-OS202011MV4QN1	OS202011MV4QN1	L	DPDT	On-On				
* 611-OS202013MT5QN1	OS202013MT5QN1	M	DPDT	On-On				
* 611-OS202013MT8QN1	OS202013MT8QN1	N	DPDT	On-On				
611-OS203011MS1QP1	OS203011MS1QP1	O	DP3T	On-On-On				
* 611-OS203013MT6QN1	OS203013MT6QN1	P	DP3T	On-On-On				
Right-Angle Termination								
611-OS102011MA1QN1	OS102011MA1QN1	Q	SPDT	On-On				
** 611-OS102011MA1QS1	OS102011MA1QS1	Q	SPDT	On-On				
611-OS103011MA7QP1	OS103011MA7QP1	R	SP3T	On-On-On				
* 611-OS202011MA0QN1	OS202011MA0QN1	S	DPDT	On-On				
** 611-OS202011MA0QS1	OS202011MA0QS1	S	DPDT	On-On				
611-OS203011MA2QP1	OS203011MA2QP1	T	DP3T	On-On-On				

C&K LP SERIES: MINIATURE SNAP-IN SLIDE SWITCHES

Specifications:

- Dielectric Strength: 1000Vrms min. @ sea level
- Easy Assembly - Snap-In Mounting
- Contact Rating: 6A @ 125VAC
- Contamination resistant - extended actuator



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
611-LP02C31T203DQ	LP02C31T203DQ	U	SPDT	On-Off				
611-LP22C31T203DQ	LP22C31T203DQ	U	DPDT	On-Off				

C&K SK SERIES: SIDE KNOB SLIDE SWITCHES

Features:

- 10,000 cycles
- Fully automatic assembly and inspection

Typical Applications:

- Volume control switch for phone



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Rating	Price Each			
						1	25	100	250
611-SK12C0405SG1.5RT	SK-12C0405-SG 1.5 RT	V	SPDT	On-On	0.3 Amp @ 4VDC				
611-SK-12C06-MG4.4NS	SK-12C06-MG 4.4 NS	W	SPDT	On-On	0.2 Amp @ 30VDC				
611-SK-12F17-G7	SK-12F17-G 7	X	SPDT	On-On	0.3 Amp @ 30VDC				
611-SK-13D08-G5E	SK-13D08-G 5 E	Y	SP3T	On-On-On	0.3 Amp @ 30VDC				
611-SK-13D26-G6.5KGY	SK-13D26-G 6.5 K GY	Y	SP3T	On-On-On	0.3 Amp @ 30VDC				
611-SK-14D01-G6	SK-14D01-G 6	Z	4P4T	On-On-On-On	0.3 Amp @ 30VDC				
611-SK-14D07-VG6	SK-14D07-VG 6	Z	SP4T	On-On-On-On	0.3 Amp @ 30VDC				
611-SK-22D01-MG5NS	SK-22D01-MG 5 NS	AA	DPDT	On-On	0.3 Amp @ 30VDC				
611-SK-23H11-G9S	SK-23H11-G 9 S	BB	DP3T	On-On	0.3 Amp @ 30VDC				

C&K SS SERIES: SLIDE SWITCHES

Features:

- Miniature slide switch
- 10,000 cycles

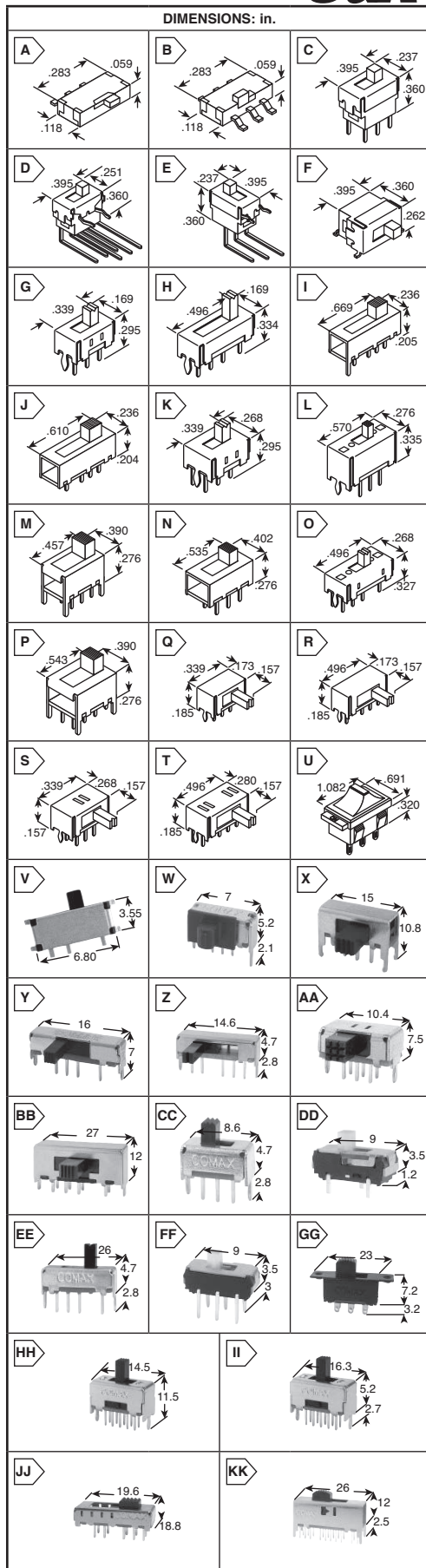
Typical Applications:

- Industrial control, sensor control machine, etc.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Rating	Price Each			
						1	25	100	250
611-SS12D07VGSNGAPA	SS-12D07-VG 4 NS GAPA	CC	SPDT	On-On	0.3 Amp @ 6VDC				
611-SS-12D1505-G2	SS-12D1505-G 2	DD	SPDT	On-On	0.3 Amp @ 6VDC				
611-SS-13D16-VG4PA	SS-13D16-VG 4 PA	EE	SP3T	On-On-On	0.3 Amp @ 30VDC				
611-SS-22D0205-G2	SS-22D0205-G 2	FF	DPDT	On-On	0.3 Amp @ 6VDC				
611-SS-22F02-DG6L	SS-22F02-DG 6 (L)	GG	DPDT	On-On	0.3 Amp @ 30VDC				
611-SS-23D28-G5NS	SS-23D28-G 5 NS	HH	DP3T	On-On-On	0.3 Amp @ 30VDC				
611-SS-23E06-G5	SS-23E06-G 5	II	DP3T	On-On-On	0.3 Amp @ 30VDC				
611-SS-24E06-TG5P	SS-24E06-TG 5 (P)	JJ	DP4T	On-On-On-On	0.3 Amp @ 30VDC				
611-SS-44D04-G4	SS-44D04-G 4	KK	DP4T	On-On-On-On	0.3 Amp @ 30VDC				



C&K Slide Switches

C&K Slide Switches



C&K TS SERIES: TINY SLIDE SWITCHES

Features:

- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:

- Instrumentation
- Computer peripherals

Specifications:

- Contact Material: B- Cu alloy, with Au plate over Ni plate, Au plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: TS01 models - 60,000 cycles @ full load
TS03 models - 30,000 cycles @ full load



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-TS01CBE	TS01CBE	A	SPDT	On-None-On	B				
Right-Angle PC Thru-Hole									
611-TS01ABE	TS01ABE	B	SPDT	On-None-On	B				

C&K 1000 SERIES: MINIATURE SLIDE SWITCHES

Features:

- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:

- Instrumentation
- Computer peripherals

Specifications:

- Contact Material: B- Cu alloy, with Au plate over Ni plate, Au plate terminal
Q- Cu alloy, with Ag plate, Ag plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
Q- 6A @ 120VAC or 28VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-1101M2S3CBE2	1101M2S3CBE2	C	SPDT	On-None-On	B				
611-1101M2S3CQE2	1101M2S3CQE2	C	SPDT	On-None-On	Q				
611-1201M2S3CBE2	1201M2S3CBE2	D	DPDT	On-None-On	B				
611-1201M2S3CQE2	1201M2S3CQE2	D	DPDT	On-None-On	Q				
Right-Angle PC Thru-Hole									
611-1101M2S3ABE2	1101M2S3ABE2	E	SPDT	On-None-On	B				
611-1101M2S3AQE2	1101M2S3AQE2	E	SPDT	On-None-On	Q				
611-1101M2S3AV2BE2	1101M2S3AV2BE2	F	SPDT	On-None-On	B				
611-1101M2S3AV2QE2	1101M2S3AV2QE2	F	SPDT	On-None-On	Q				
V-Bracket									
611-1101M2S2V3GE2	1101M2S2V3GE2	G	SPDT	On-None-On	B				
Solder Lug									
611-1101M1S3ZQE2	1101M1S3ZQE2	G	SPDT	On-None-On	Q				

C&K L SERIES: MINIATURE SLIDE SWITCHES

Features:

- Positive detent

Applications:

- Communications equipment
- Lighting devices

Specifications:

- Contact Material: Q- Cu alloy, with Ag plate, Ag plate terminal
- Contact Rating: Q- 4A @ 120VAC or 28VDC
- Actuator Height: PC thru-hole models - 200";
Right-angle PC thru-hole models - 335"



RoHS Compliant

() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-L202011MS02Q	L202011MS02Q	H	DPDT	On-Off	Q				
611-L203011MS02Q	L203011MS02Q	I	DP3T	On-On-On	Q				
Right-Angle PC Thru-Hole									
611-L102011ML04B	L102011ML04B	I	SPDT	On-None-On	B				
611-L102011ML04Q	L102011ML04Q	I	SPDT	On-None-On	Q				
611-L102011MS02B	L102011MS02B	I	SPDT	On-None-On	B				
611-L204121MS02Q	L204121MS02Q	I	DP4T	On-None-On	Q				
611-L102021ML04Q	L102021ML04Q	J	SPDT	On-None-On	Q				
611-L202021MA04Q	L202021MA04Q	K	DPDT	On-None-On	Q				
611-L1212132MV02Q	L212132MV02Q	L	DPDT	(On)-None-On	Q				

C&K S SERIES: POWER SLIDE SWITCHES

Features:

- Enclosed housing

Applications:

- Portable tools and small appliances

Specifications:

- Contact Material: Q- Cu alloy, with Ag plate, Ag plate terminal
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: 10,000 cycles @ full load



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-S202031MS02Q	S202031MS02Q	M	DPDT	6	Q				
Panel Mount with Mounting Ears									
611-S101031SS03Q	S101031SS03Q	N	SPST	6	Q				
611-S602031SS03Q	S602031SS03Q	N	DPDT	12	Q				

C&K V SERIES: POWER AND LINE VOLTAGE SELECT

Applications:

- Appliances

Specifications:

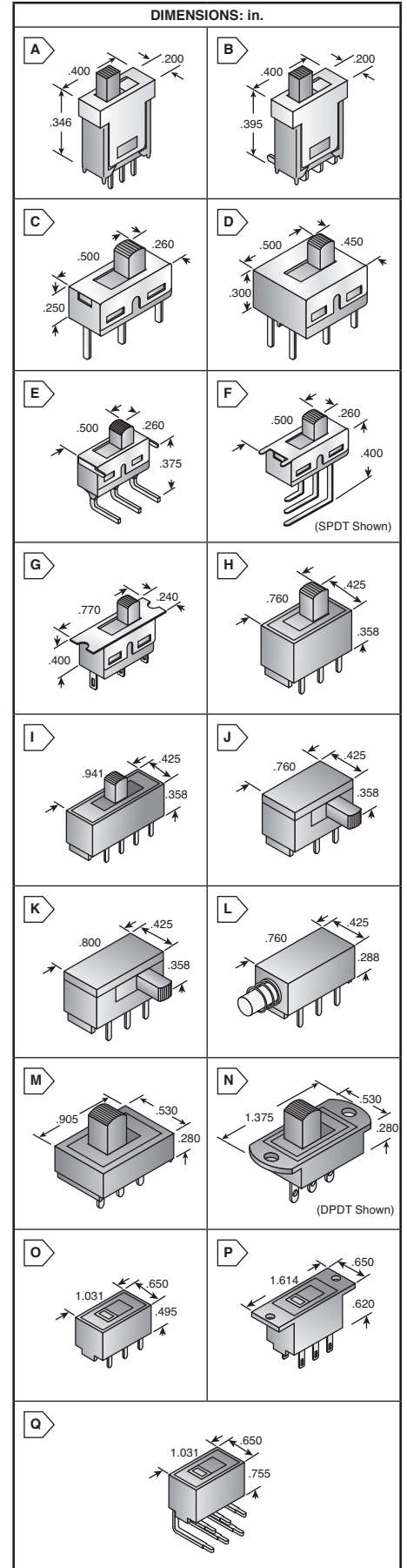
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Contact Form: DPDT On-On



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	100	250
611-V80212MS02Q	V80212MS02Q	O	DPDT	PC thru-hole				
611-V80212SS05Q	V80212SS05Q	P	DPDT	Mounting ears, QC				
611-V80212MA08Q	V80212MA08Q	Q	DPDT	R/A PC thru-hole				



MOUNTAIN SWITCH Slide Switches



RoHS Compliant This product is RoHS compliant.

MINIATURE PC TERMINAL SLIDE SWITCHES

Specifications:

- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.
- Electrical Life: 30,000 cycles
- Operating Temperature: -30°C to +85°C



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	50	100
103-12100-EV	A	SPDT	On-On	.5A/50VDC	.12			
103-1256-EV	B	SPDT	On-On	.5A/50VDC	.157			

SUB-MINIATURE PC TERMINAL SLIDE SWITCH

Specifications:

- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.
- Electrical Life: 30,000 cycles
- Operating Temperature: -30°C to +85°C



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	50	100
103-12123-EV	C	SPDT	On-On	.5A/50VDC	.157			

SOLDER TERMINAL SLIDE SWITCH

Specifications:

- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.
- Electrical Life: 30,000 cycles
- Operating Temperature: -30°C to +85°C



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	50	100
10SS002-EV	D	DPDT	On-On	.5A/125VAC	.35			

SLIDE SWITCHES

Sub-Miniature Slide Switches

Specifications:

- Rating: 1A/250VAC, 3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
103-5000-EV	E	SPDT	On-On				
103-5001-EV	F	SPDT	On-On				

Miniature Slide Switches

Specifications:

- Rating: 1A/250VAC, 3A/120VAC or 28VDC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
103-5005-EV	G	DPDT	On-On				
103-5002-EV	G	SPDT	On-On				
103-5004-EV	G	SPDT	On-Off-On				

Slide Switches

Specifications:

- Rating: 2A/250VAC, 5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	50	100	500
103-5006-EV	H	SPDT	On-On				
103-5008-EV	H	SPDT	On-(On)				
103-5012-EV	I	DPDT	On-On				
103-5007-EV	J	SPDT	On-On				
103-5014-EV	K	DPDT	On-Off-On				
103-5009-EV	L	SPDT	On-(On)				
103-5010-EV	H	SPDT	On-Off-On				
103-5011-EV	M	SPDT	On-Off-On				
103-5013-EV	N	DPDT	On-On				
103-5016-EV	O	SPDT	On-On				

DIMENSIONS: in.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

Mountain Switch

Slide Switches

NKK Slide Switches



SS SERIES: ULTRAMINIATURE PCB SLIDE SWITCHES

- Power rating: 0.1A @ 30VDC
- Polyamide housing
- Top or Side Actuation
- Compact and low profile design

- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation	Price Each		
					1	25	50
633-SS12SDP2	SS12SDP2	A	SPDT On-None-On	Top			
633-SS12SDH2	SS12SDH2	B	SPDT On-None-On	Side			
633-SS14MDP2	SS14MDP2	C	SP3T On-On-On	Top			
633-SS14MDH2	SS14MDH2	D	SP3T On-On-On	Side			
633-SS22SDP2	SS22SDP2	E	DPDT On-None-On	Top			
633-SS22SDH2	SS22SDH2	F	DPDT On-None-On	Side			

DIMENSIONS: in.

SS Series Isolated, LED Specifications

SS Series Isolated, LED Specifications	Color		
	Red	Yellow	Green
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	16mA	16mA	16mA
Forward Voltage	1.98V	2.06V	2.16V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	.40mA/°C	.42mA/°C	.33mA/°C
Ambient Temperature Range	-15°C ~ +60°C		

MS SERIES: MINIATURE SLIDE SWITCHES

- Power rating: Silver 6A @ 125V AC & 3A @ 250V AC
- Gold 0.4VA max. @ 28V AC/DC max.
- UL94V-0 case
- Solder lug or straight PC terminals



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Mounting	Contact Material	Price Each	
						1	25
Right Angle PC							
633-MS13ASW30-RO	MS13ASW30	G	SPDT On-Off-On	Support Bracket	Silver		
633-MS23ASG30-RO	MS23ASG30	H	DPDT On-Off-On	Support Bracket	Gold		
Solder Lug							
633-MS22AFW01-RO	MS22AFW01	I	DPDT On-None-On	Panel Mount	Silver		
Straight PC							
633-MS12ANG03	MS12ANG03	J	SPDT On-None-On	Straight PC	Gold		
633-MS13ANW03	MS13ANW03	J	SPDT On-Off-On	Straight PC	Silver		
633-MS22ANG03	MS22ANG03	K	DPDT On-None-On	Straight PC	Gold		
633-MS22ANW03-RO	MS22ANW03	K	DPDT On-None-On	Straight PC	Silver		
Vertical PC							
633-MS12ASW40-RO	MS12ASW40	L	SPDT On-None-On	Support Bracket	Silver		
633-MS22ASG40-RO	MS22ASG40	M	DPDT On-None-On	Support Bracket	Gold		
633-MS23ASG40-RO	MS23ASG40	M	DPDT On-Off-On	Support Bracket	Gold		

SS SERIES: ILLUMINATED ULTRAMINIATURE SLIDE SWITCHES

- Power rating: 0.1A @ 30VDC
- Polyamide housing
- Top or Side Actuation
- Compact and low profile design

- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)
- Bright LED illumination



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Type	LED Color	Price Each			
					1	25	50	100
Top Actuation								
633-SS12SDP2LC	SS12SDP2LC	N	SPDT On-None-On	Red				
633-SS12SDP2LE	SS12SDP2LE	N	SPDT On-None-On	Yellow				
633-SS12SDP2LF	SS12SDP2LF	N	SPDT On-None-On	Green				
633-SS22SDP2LC	SS22SDP2LC	N	DPDT On-None-On	Red				
633-SS22SDP2LF	SS22SDP2LF	N	DPDT On-None-On	Green				
Side Actuation								
633-SS12SDH2LC	SS12SDH2LC	O	SPDT On-None-On	Red				
633-SS12SDH2LF	SS12SDH2LF	O	SPDT On-None-On	Green				
633-SS22SDH2LC	SS22SDH2LC	O	DPDT On-None-On	Red				
633-SS22SDH2LE	SS22SDH2LE	O	DPDT On-None-On	Yellow				

MS SERIES: ILLUMINATED MINIATURE SLIDE SWITCHES

- Power rating: 6A @ 125V AC or 3A @ 250V AC
- Solder Lug or Straight PC Terminals
- Bright LED illumination
- UL94V-0 case



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each		
					1	25	50
Solder Lug							
633-MS13LFW01C	MS13LFW01C	P	SPDT On-Off-On	Red			
633-MS13LFW01E	MS13LFW01E	P	SPDT On-Off-On	Yellow			
633-MS13LFW01F	MS13LFW01F	P	SPDT On-Off-On	Green			
Straight PC							
633-MS13LNW03C	MS13LNW03C	Q	SPDT On-Off-On	Red			
633-MS13LNW03E	MS13LNW03E	Q	SPDT On-Off-On	Yellow			
633-MS13LNW03F	MS13LNW03F	Q	SPDT On-Off-On	Green			

MS Series LED Specifications

MS Series LED Specifications	Color		
	Red	Yellow	Green
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	16mA	16mA	16mA
Forward Voltage	1.98V	2.06V	2.15V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	.40mA/°C	.42mA/°C	.33mA/°C
Ambient Temperature Range	-15°C ~ +60°C		

ALCOSWITCH DIP Switches

GD SERIES LOW PROFILE DIP SWITCHES

Specifications:

- Contact rating: 0.4VA @ 24VDC max.
- Contact resistance: 100mΩ max.
- Contact material: Au over Ni over Cu alloy
- Tape seal standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Dimension "A" (mm)	Number of Positions	Price Each			
						1	10	25	50
2.54mm Pitch: Slide Actuator									
506-GDS0404	1825006-5	GDS0404	A	10.02	4				
506-GDS0604	1825006-9	GDS0604	A	15.09	6				
1.27mm Pitch: Rocker Actuator									
506-GDH02S04	1571983-1	GDH02S04	B	3.66	2				
506-GDH06S04	1571983-8	GDH06S04	B	8.75	6				
506-GDH08S04	1-1571983-0	GDH08S04	B	11.29	8				
506-GDH10S04	1-1571983-3	GDH10S04	B	13.82	10				

AD SERIES DIP SWITCHES

Specifications:

- Contact rating: 0.4VA @ 20VDC max.
- Contact resistance: 50mΩ max.
- Dielectric strength: 500VAC
- Life expectancy: 1000 cycles
- High pressure wiping contact allows aqueous or solvent cleaning without tape seal
- Polyester base, cover, and actuator material
- Gas-tight contacts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Alcoswitch Part No.	Fig.	Dimension "A" (mm)	Number of Positions	Price Each			
						1	10	25	50
Through-hole with Extended Actuator									
506-ADE0204	1825057-1	ADE0204	C	7.06	2				
506-ADE0404	1825057-3	ADE0404	C	12.14	4				
506-ADE0504	1825057-4	ADE0504	C	14.68	5				
506-ADE0604	1825057-5	ADE0604	C	17.22	6				
506-ADE0804	1825057-7	ADE0804	C	22.3	8				
Through-hole with Flush Actuator									
506-ADF0204	1825002-1	ADF0204	D	7.06	2				
506-ADF0404	1825002-5	ADF0404	D	12.14	4				
506-ADF0604	1825002-9	ADF0604	D	17.22	6				
506-ADF0804	1-1825002-3	ADF0804	D	22.3	8				
Through-hole with Piano Actuator (Lever Down "On")									
506-ADP0204	1571999-1	ADP0204	E	7.06	2				
506-ADP0404	1571999-6	ADP0404	E	12.14	4				

7000 SERIES PREMIUM DIP SWITCHES

- Current and voltage rating: Non-switching-1.0A max. @ 50VDC
- Housing: Glass-filled polyester, UL 94V-0 rated
- Spring contacts and leads: BeCu alloy with Au over Ni plating
- Pitch: 2.54mm

For quantities greater than listed, call for quote.

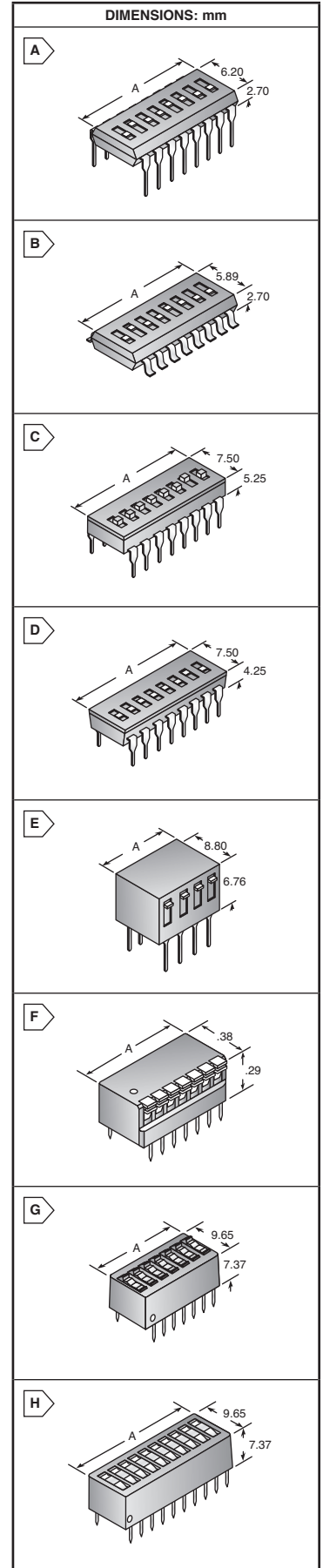
MOUSER STOCK NO.	TE Part No.	Fig.	Actuator Style	Dimension "A" (mm)	Number of Positions	Price Each			
						1	10	25	50
Sealed									
506-154358025	1-5435802-5	F	Piano	12.19	4				
506-154358027	1-5435802-7	F	Piano	17.27	6				
506-54358029	5435802-9	F	Piano	22.352	8				
506-2-5435802-0	2-5435802-0	F	Piano	27.432	10				
571-44351669	4-435166-9	G	Rocker	12.19	4				
506-54351663	5-435166-3	G	Rocker	22.352	8				
Unsealed									
506-1-5435802-0	1-5435802-0	F	Piano	7.112	2				
506-5435802-3	5435802-3	F	Piano	12.19	4				
571-54358021	5435802-1	F	Piano	22.352	8				
506-5435166-2	5435166-2	G	Rocker	12.19	4				
506-54351665	5435166-5	G	Rocker	22.352	8				

7100 SERIES STANDARD DIP SWITCHES

- Current/voltage rating: Non-switching-1.0A max. @ 40VDC
- Dielectric withstanding voltage: 500VDC min.
- Capacitance: 5pF max.
- Housing: Glass-filled polyester, UL 94V-0 rated, blue
- Rocker: Polyester UL 94V-0 rated, white
- Spring contacts and leads: Cu alloy with Au over Ni plating

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Type	Dimension "A" (mm)	Number of Positions	Price Each			
						1	10	25	50
Standard Profile									
571-254356409	2-5435640-9	G	Unsealed	7.112	2				
506-54356402	5435640-2	G	Unsealed	12.19	4				
571-54356405	5435640-5	G	Unsealed	22.352	8				
506-354356405	3-5435640-5	G	Sealed	7.112	4				
571-354356407	3-5435640-7	G	Sealed	17.27	6				
571-3-5435640-9	3-5435640-9	G	Sealed	22.352	8				
Low Profile									
571-354356684	3-5435668-4	H	Sealed	12.19	4				



TE Connectivity

DIP/SIP Switches

MOUNTAIN SWITCH DIP Switches



This product is RoHS compliant.



Electrical Specifications:

- Rating: Switching: 25mA/24VDC
Non-switching: 100mA/50VDC

STANDARD DIP SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
106-SD02-EV	A	Raised	2	6.44	2.54					
106-SD04-EV	A	Raised	4	11.52	7.62					
106-SD06-EV	A	Raised	6	16.60	12.70					
106-SD08-EV	A	Raised	8	21.68	17.78					

SIDE ACTUATED DIP SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
106-LP04-EV	B	Raised	4	11.72	7.62					

END STACKABLE DIP SWITCHES

Mechanical Specifications:

- Operation Force: 1000gf max.
- Stroke: 1.0mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
No Top Tape, Thru-Hole Terminals										
106-EI02-EV	C	Raised	2	4.98	2.54					
106-EI04-EV	C	Raised	4	10.06	7.62					
106-EI06-EV	C	Raised	6	15.14	12.70					
106-EI08-EV	C	Raised	8	20.22	17.78					
106-EI10-EV	C	Raised	10	25.30	22.86					
No Top Tape, SMD										
106-EM04-EV	D	Raised	4	10.06	7.62					
106-EM08-EV	D	Raised	8	20.22	17.78					
106-EM10-EV	D	Raised	10	25.30	22.86					
With Top Tape, SMD										
106-EMR3T-EV	D	Recessed	3	7.52	5.08					

TRI-STATE LOW PROFILE DIP SWITCHES

Mechanical Specifications:

- Operation Force: 1000gf max.
- Stroke: 0.8mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
No Top Tape, SMD										
106-TIM4-EV	E	Raised	4	11.32	7.62					
With Top Tape, SMD										
106-TMR8T-EV	E	Recessed	8	21.48	17.78					
106-TMR9T-EV	E	Recessed	9	24.02	20.32					

TRI-STATE DIP SWITCHES

Mechanical Specifications:

- Operation Force: 1000gf max.
- Stroke: 1.0mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
106-TDS8-EV	F	Raised	8	24.30	17.78					
106-TDS10-EV	F	Raised	10	29.38	22.86					

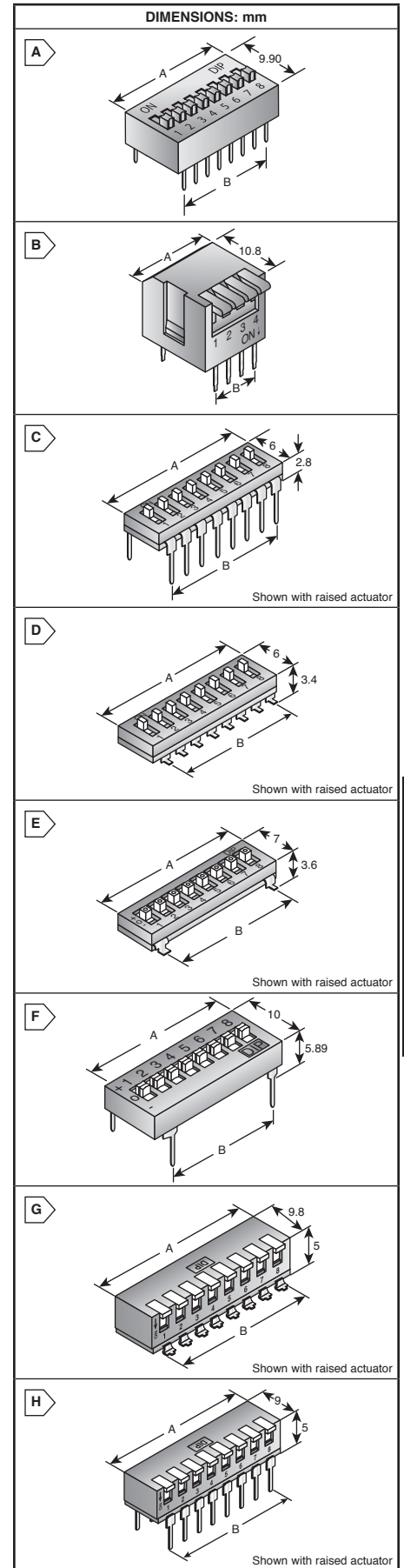
PIANO TYPE DIP SWITCHES

Mechanical Specifications:

- Operation Force: 800gf max.
- Life: 2,000 cycles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	Number of Positions	Dimensions: mm		Price Each				
				A	B	1	50	100	500	1000
SMD										
106-PM04-EV	G	Raised	4	11.56	7.62					
106-PM06-EV	G	Raised	6	16.64	12.70					
106-PM10-EV	G	Raised	10	26.80	22.86					
Thru-Hole Terminals										
106-PI06-EV	H	Raised	6	16.64	12.70					
106-PIR06-EV	H	Recessed	6	16.64	12.70					

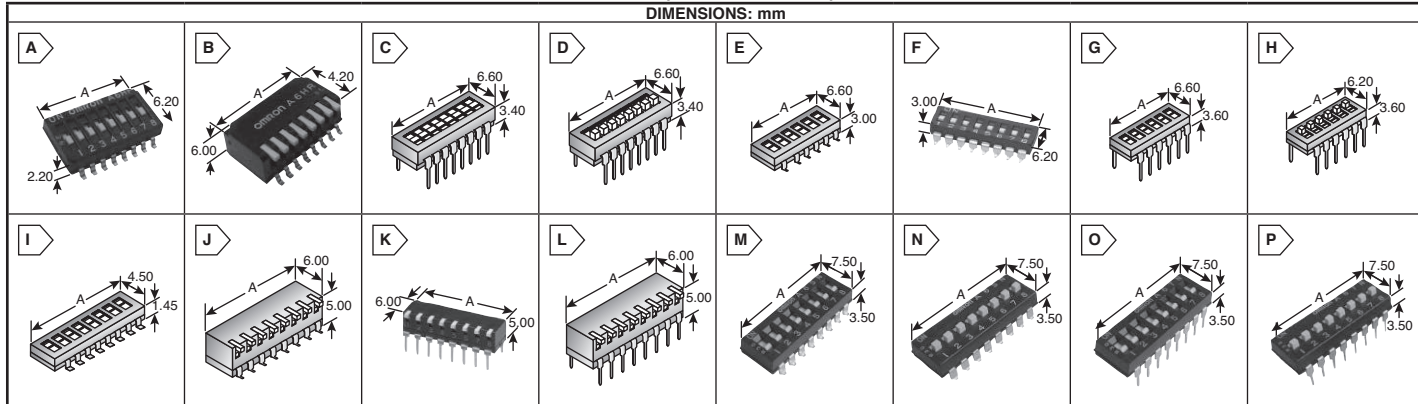


Mountain Switch

DIP Switches

This product is RoHS compliant.

DIMENSIONS: mm



OMRON A6HF/HR SERIES: HALF-PITCH DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Operating force: 500 gf max.
- Dielectric strength: 300VAC

Features:

- Gold-plated twin contacts
- Temperature-resistant resin allows peak reflow temperatures of 260°C.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
SMT, Slide-Type								
653-A6HF-4102	A6HF-4102	A	4	6.21				
653-A6HF-8102	A6HF-8102	A	8	11.29				
SMT, Piano-Type								
653-A6HR-4104	A6HR-4104	B	4	6.21				
653-A6HR-8104	A6HR-8104	B	9	11.29				

OMRON A6H SERIES: HALF-PITCH DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Operating force: 30 gf
- Dielectric strength: 300VAC

Features:

- Ultra-low profile of 1.55mm
- Half-pitch (1.27mm) design
- Compact and reduced mounting space

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
SMT, Flat-Actuated								
653-A6H-4101	A6H-4101	I	4	6.31				
653-A6H-6101	A6H-6101	I	6	8.85				
653-A6H-8101	A6H-8101	I	8	11.39				
653-A6H-0101	A6H-0101	I	10	13.93				
SMT, Flat-Actuated, Sealed								
653-A6H-4102	A6H-4102	I	4	6.31				
653-A6H-8102	A6H-8102	I	8	11.39				
653-A6H-0102	A6H-0102	I	10	13.93				

OMRON A6D SERIES: SUBMINIATURE DIP SWITCHES

Specifications:

- Switching capacity: 30mA @ 30VDC
- Operating force: 500 gf max.
- Dielectric strength: 500VAC

Features:

- Space-saving and IP64 sealed construction
- Smooth, sure switching action enables comfortable operation.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
Thru-Hole, Top-Actuated, Sealed								
653-A6D-2100	A6D-2100	C	2	7.10				
653-A6D-4100	A6D-4100	C	4	12.20				
653-A6D-8100	A6D-8100	C	8	22.40				
Thru-Hole, Raised Actuator, Sealed								
653-A6D-2103	A6D-2103	D	2	7.10				

OMRON A6S/T SERIES: SLIDE DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Operating force: 30 gf
- Dielectric strength: 500VAC

Features:

- Gold-plated twin contacts and a slide-type, self-cleaning mechanism ensure high-reliability.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
SMT, Flat-Actuated								
653-A6S-2101-H	A6S-2101-H	E	2	6.02				
653-A6S-4101-H	A6S-4101-H	E	4	11.10				
653-A6S-8101-H	A6S-8101-H	E	8	21.26				
SMT, Flat-Actuated, Sealed								
653-A6S-2102-H	A6S-2102-H	E	2	6.02				
653-A6S-4102-H	A6S-4102-H	E	4	11.10				
653-A6S-6102-H	A6S-6102-H	E	6	16.18				
653-A6S-8102-H	A6S-8102-H	E	8	21.26				
SMT, Raised Actuator								
653-A6S-2104-H	A6S-2104-H	F	2	6.02				
653-A6S-4104-H	A6S-4104-H	F	4	11.10				
653-A6S-5104-H	A6S-5104-H	F	5	13.64				
653-A6S-6104-H	A6S-6104-H	F	6	16.18				
653-A6S-8104-H	A6S-8104-H	F	8	21.26				
Thru-Hole, Flat-Actuated, Sealed								
653-A6T-2102	A6T-2102	G	2	6.02				
653-A6T-4102	A6T-4102	G	4	11.10				
Thru-Hole, Raised Actuator								
653-A6T-1104	A6T-1104	H	1	3.48				
653-A6T-2104	A6T-2104	H	2	6.02				
653-A6T-3104	A6T-3104	H	3	8.56				
653-A6T-4104	A6T-4104	H	4	11.10				
653-A6T-6104	A6T-6104	H	6	16.18				
653-A6T-8104	A6T-8104	H	8	21.26				

OMRON A6SR/TR SERIES: PIANO DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Operating force: 795 gf max.
- Dielectric strength: 500VAC

Features:

- Low-profile design with a height of only 5mm
- Pitch of 2.54mm for end-stackable mounting
- Gold-plated twin contacts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
SMT, Long Lever								
653-A6SR-2104	A6SR-2104	J	2	4.98				
653-A6SR-4104	A6SR-4104	J	4	10.06				
653-A6SR-8104	A6SR-8104	J	8	25.30				
Thru-Hole, Short Lever								
653-A6TR-2101	A6TR-2101	K	2	4.98				
653-A6TR-4101	A6TR-4101	K	4	10.06				
Thru-Hole, Long Lever								
653-A6TR-2104	A6TR-2104	L	2	4.98				
653-A6TR-8104	A6TR-8104	L	8	20.22				

OMRON A6SN/TN SERIES: SLIDE DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Operating force: 806 gf max.
- Dielectric strength: 300VAC

Features:

- Knife-edge structure with high-contact pressure mechanism assures high-reliability and enables washing without seal.

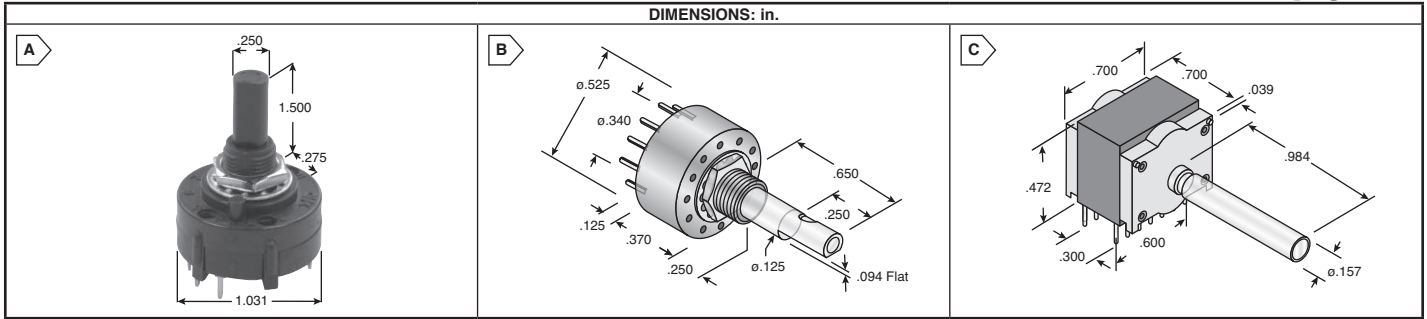
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
					1	25	50	100
SMT, Flat-Actuated								
653-A6SN-2101	A6SN-2101	M	2	7.00				
653-A6SN-4101	A6SN-4101	M	4	12.10				
653-A6SN-8101	A6SN-8101	M	8	22.30				
SMT, Raised Actuator								
653-A6SN-2104	A6SN-2104	N	2	7.00				
653-A6SN-4104	A6SN-4104	N	4	12.10				
653-A6SN-6104	A6SN-6104	N	6	17.20				
653-A6SN-8104	A6SN-8104	N	8	22.30				
Thru-Hole, Flat-Actuated								
653-A6TN-2101	A6TN-2101	O	2	7.00				
653-A6TN-4101	A6TN-4101	O	4	12.10				
653-A6TN-6101	A6TN-6101	O	6	17.20				
653-A6TN-8101	A6TN-8101	O	8	22.30				
Thru-Hole, Raised Actuator								
653-A6TN-2104	A6TN-2104	P	2	7.00				
653-A6TN-4104	A6TN-4104	P	4	12.10				
653-A6TN-6104	A6TN-6104	P	6	17.20				
653-A6TN-8104	A6TN-8104	P	8	22.30				

C&K Rotary Switches



DIMENSIONS: in.



C&K SERIES A: 1-4 POLE ROTARY SWITCHES

Features/Benefits:

- Multi-pole and multi-position
- Positive detent
- Non-shorting contacts
- Panel and PCB mounting

Specifications:

- Contact Rating: 2.5A @ 125VAC; 350mA @ 125VDC
- Dielectric Strength: 1000Vrms min. @ sea level
- Insulation Resistance: 10⁹Ω min.
- Contact Material: Silver

Typical Application:

- Automotive
- Major and small appliances
- Industrial equipment



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
611-A21415RNCQ	A21415RNCQ	A	14	DP, 90° Index	PC Thru-hole				
611-A10015RSCQ	A10015RSCQ	A	12	SP, 30° Index, no stops	PCB				
* 611-A11205RNCQ	A11205RNCQ	A	12	SP, 30° Index	PCB				
611-A112-15	A11215RNCQ	A	12	SP, 30° Index	PCB				
611-A11215RNZQ	A11215RNZQ	A	12	SP, 30° Index	Solder				
611-A11015RNCQ	A11015RNCQ	A	10	SP, 30° Index	PC Thru-hole				
611-A10905RNCQ	A10905RNCQ	A	9	SP, 30° Index	PC Thru-hole				
611-A12515RNZQ	A12515RNZQ	A	8	SP, 45° Index	Solder				
611-A10715RNCQ	A10715RNCQ	A	7	SP, 30° Index	PC Thru-hole				
611-A10615RSZQ	A10615RSZQ	A	6	SP, 30° Index	Solder				
611-A20615RNCQ	A20615RNCQ	A	6	DP, 30° Index	PCB				
611-A10605RNCQ	A10605RNCQ	A	6	SP, 30° Index	PC Thru-hole				
611-A20615RNZQ	A20615RNZQ	A	6	DP, 30° Index	Solder				
611-A20503RNCGE	A20503RNCGE	A	5	DP, 30° Index	PC Thru-hole				
611-A30405MNNZQ	A30405MNNZQ	A	4	3P, 30° Index	Solder lug				
** 611-A30403RNZQ	A30403RNZQ	A	4	3P, 30° Index	Solder				
611-A30415RNCQ	A30415RNCQ	A	4	3P, 30° Index	PCB				
611-A30415RNZQ	A30415RNZQ	A	4	3P, 30° Index	Solder				
611-A40315RNZQ	A40315RNZQ	A	3	4P, 30° Index	Solder				
611-A402S1RNCBE	A402S1RNCBE	A	2	4PDT, 30° Index	PC Thru-hole				

*.50" Actuator shaft

** .375" Actuator shaft

C&K SERIES M: HALF-INCH ROTARY SWITCHES

Features/Benefits:

- Multi-pole and multi-positions
- Panel and PCB mounting
- Stainless steel actuator
- Non-shorting contacts

Specifications:

- Contact Rating: Carry 6A cont.; Switch 250mA max. @ 125VAC or 28VDC
- Dielectric Strength: 600Vrms min. @ sea level
- Insulation Resistance: 10¹⁰Ω min.
- Contact Material: Copper alloy, silver plated
- MA, MB, and MD supplied with stop pins; MD, ME, and MH supplied with stop rings

Typical Application:

- Test equipment
- Industrial equipment
- Medical equipment



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
611-MA00L1NCQD	MA00L1NCQD	B	10	SP, 36°	PCB				
611-ME00L1NCQD	ME00L1NCQD	B	10	SP, 36°	PCB				
611-ME00L1NZQD	ME00L1NZQD	B	10	SP, 36°	Solder				
611-MA00L1NZQD	MA00L1NZQD	B	10	SP, 36°	Solder				
611-MD00L1NZQD	MD00L1NZQD	B	6	DP, 30°	Solder				
611-MB00L1NZQD	MB00L1NZQD	B	5	DP, 36°	Solder				

Hardware

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Description	Price Each			
				1	25	50	100
611-537100000	537100000	-	Replacement stop pins				

C&K SERIES MIL: 1-4 POLES RIGHT ANGLE ROTARY SWITCHES

Features/Benefits:

- Bushing option for panel mount
- 1-4 poles per bank and up to 5 banks per switch
- Totally sealed, insert molded contact and terminals
- Low profile - 12mm above PCB

Specifications:

- Contact Rating: Carry 1A; Switch 20mA, 1VA max.
- Dielectric Strength: 500Vrms
- Insulation Resistance: 10⁹Ω
- Contact Material: Brass, gold plated

Typical Application:

- Telecom switching equipment
- Military communications
- Instrumentation
- Medical monitors

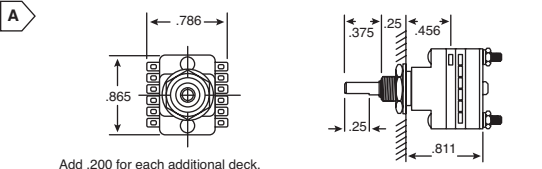


RoHS Compliant

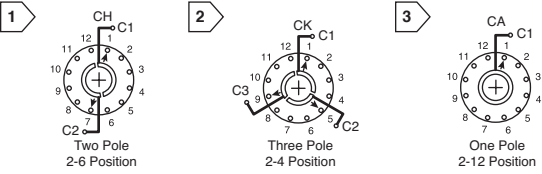
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
611-MIL1112SNSD25	MIL1112SNSD25	C	12 no stop	1	No				
611-MIL1303B03NSD2	MIL1303B03NSD25	C	3	3	No				
611-MIL2112B12NSD2	MIL2112B12NSD25	C	12	1	No				
611-MIL1303B03NAD2	MIL1303B03NAD25	C	3	3	Yes				

DIMENSIONS: in.



Add .200 for each additional deck.



ELECTROSWITCH ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

C1 Series: .865" Wide

Specifications:

- Shaft diameter: .125"
- Current & Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Dielectric Strength: 600VAC
- Insulation Material: Diallyl phthalate

- Terminals and contacts: Brass with silver plate
- Index: Dual-ball, hill and valley
- Termination: Solder lug
- Stops set at 2 pos.
- Non-shorting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C1D0206N-A	C1D0206N-A	A1	02	02-06	2	1	30°				
690-C1D0304N-A	C1D0304N-A	A2	03	02-04	3	1	30°				
690-C1D0212N-A	C1D0212N-A	A3	02	02-12	1	2	30°				
690-C1D0406N-A	C1D0406N-A	A1	04	02-06	2	2	30°				
690-C1D0604N-A	C1D0604N-A	A2	06	02-04	3	2	30°				

C3 Series: 1.2" Wide

Specifications:

- Shaft diameter: .125"
- Current & Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate

- Termination: PC terminals
- Index: Dual-ball, hill and valley
- 12 pin construction
- Stops set at 2 pos.
- Non-shorting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C3P0112N-A	C3P0112N-A	B1	01	02-12	1	1	30°				
690-C3P0206N-A	C3P0206N-A	B2	02	02-06	2	1	30°				
690-C3P0304N-A	C3P0304N-A	B3	03	02-04	3	1	30°				
690-C3P0604N-A	C3P0604N-A	B3	06	02-04	3	2	30°				

C4 Series: 1.5" Diameter

Specifications:

- Shaft diameter: .250"
- Current & Voltage Rating: .5A @28VDC; 0.3A @125VAC
- Current carrying capacity: 15A
- Dielectric Strength: 1000VAC
- Insulation Material: Diallyl phthalate

- IP67 versions available. Please contact Mouser sales.
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Stops set at 2 pos.
- Non-shorting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C4D0112N-A	C4D0112N-A	C1	01	02-12	1	1	30°				
690-C4D0206N-A	C4D0206N-A	C2	02	02-06	2	1	30°				
690-C4D0304N-A	C4D0304N-A	C3	03	02-04	3	1	30°				
690-C4D0212N-A	C4D0212N-A	C1	02	02-12	1	2	30°				
690-C4D0406N-A	C4D0406N-A	C2	04	02-06	2	2	30°				
690-C4D0604N-A	C4D0604N-A	C3	06	02-04	3	2	30°				
690-C4D0312N-A	C4D0312N-A	C1	03	02-12	1	3	30°				
690-C4D0606N-A	C4D0606N-A	C2	06	02-06	2	3	30°				
690-C4D0904N-A	C4D0904N-A	C3	09	02-04	3	3	30°				
690-C4D0412N-A	C4D0412N-A	C1	04	02-12	1	4	30°				
690-C4D0806N-A	C4D0806N-A	C2	08	02-06	2	4	30°				
690-C4D1204N-A	C4D1204N-A	C3	12	02-04	3	4	30°				

C5 Series: .92" Sealed

Specifications:

- Internal and external seals for washability
- Shaft diameter: .250"
- Current and Voltage Rating: 1A @28VDC; 1A @125VAC
- Current carrying capacity: 5A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate

- Termination: Solder lug
- Index: Molded live spring detent
- Non-shorting
- Stops set at 2 pos.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/Sections	No. of Sections	Index Angle	Price Each			
								1	10	25	50
690-C5P0112N-A	C5P0112N-A	D1	01	02-12	1	1	30°				
690-C5P0206N-A	C5P0206N-A	D2	02	02-06	2	1	30°				
690-C5P0304N-A	C5P0304N-A	D3	03	02-04	3	1	30°				
690-C5P0403N-A	C5P0403N-A	D4	04	02-03	4	1	30°				

ELECTROSWITCH KNOBS



*: Designed for knobs w/ a .125" shaft dia.
*: Designed for knobs w/ a .250" shaft dia.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each			
				1	10	25	50
* 690-1400R	1400R	E	Pointer knob with set screw				
* 690-1910DG	1910DG	F	Inner knob w/skirt & spun silver color cap				
** 690-1202BJ	1202BJ	G	Round knob w/spun silver cap, set screw				
** 690-1930BP	1930BP	H	Large round knob with skirt, set screw				
** 690-1914N	1914N	I	Round knob with brass insert, set screw				

For current pricing, visit mouser.com

EUsales@mouser.com

NKK Rotary Switches



NKK MR SERIES: HALF-INCH PROCESS SEALED ROTARY SWITCHES

- Power rating: 125VAC for MRA, MRX, & MRY; 28VAC for MRF & MRK
- Shaft actuated switches are supplied with knob and mounting hardware



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Poles and Circuits	Power Rating	Price Each			
					1	25	50	100
Shaft Actuated w/ PC Terminals								
633-MRA112A	MRA112-A	A	SP, 2-12 positions	250mA				
633-MRA206A	MRA206-A	A	DP, 2-6 positions	250mA				
633-MRA403A	MRA403-A	A	4P, 2-3 positions	250mA				
Low Profile Shaft Actuated w/ PC Terminals								
633-MRK112A	MRK112-A	B	SP, 2-12 positions	0.4VA				
633-MRK206A-RO	MRK206-A	B	DP, 2-6 positions	0.4VA				
633-MRK403A-RO	MRK403-A	B	4P, 2-3 positions	0.4VA				
Shaft Actuated w/ PC Turret Terminals (Not Process Sealed)								
633-MRX108A-RO	MRX108-A	C	SP, 2-8 positions	2A				
633-MRX204A-RO	MRX204-A	C	DP, 2-4 positions	2A				

NKK HIGH CAPACITY ROTARY SWITCHES

- Number of Positions: 2-11
- Nonshorting Circuits (Shorting Circuits are also available, call for details)

- D-Flat Shaft
- 30° Indexing
- HS, TS, and PS Series



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Pole	Number of Terminals	Termination	Price Each			
						1	25	50	100
Resistive Load: 6A @ 125/250VAC									
633-TS-1N-RO	TS1N	D	1	1 COM, 11 LOAD	Screw terminals				
633-TS-2N-RO	TS2N	D	2	2 COM, 22 LOAD	Screw terminals				
633-TS-3N-RO	TS3N	D	3	3 COM, 33 LOAD	Screw terminals				
633-TS-5N-RO	TS5N	D	5	5 COM, 55 LOAD	Screw terminals				
Resistive Load: 12A @ 125VAC; 6A @ 250VAC									
633-HS16-1N-RO	HS16-1N	E	1	1 COM, 11 LOAD	Solder lug				
633-HS16-2N	HS16-2N	E	2	2 COM, 22 LOAD	Solder lug				
633-HS16-3N-RO	HS16-3N	E	3	3 COM, 33 LOAD	Solder lug				
633-HS16-4N-RO	HS16-4N	E	4	4 COM, 44 LOAD	Solder lug				
Resistive Load: 30A @ 125/250VAC									
633-PS-1N-RO	PS1N	F	1	1 COM, 11 LOAD	Screw terminals				
633-PS-3N-RO	PS3N	F	3	3 COM, 33 LOAD	Screw terminals				
633-PS-4N-RO	PS4N	F	4	4 COM, 44 LOAD	Screw terminals				
Knobs									
633-AT431	AT431	G		Large Knob, Black					
633-AT432	AT432	H		Small Knob, Black					

NKK FR SERIES: 10MM ULTRA-THIN DIP ROTARY SWITCHES

Specifications:

- Power Rating: 100mA @ 5VDC switching; 100mA @ 50VDC non-switching
- Contact resistance: 100mΩ max.
- Insulation resistance: 1000MΩ min. @ 250VDC
- Dielectric strength: 250VAC min. for 1 minute

Features:

- Environmentally friendly
- Slim: .150" (3.8mm) body
- Highly visible legends
- Gold plated contacts
- Actuator knob available for screwdriver adjusted



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
Shaft Actuated								
633-FR01KC10P	FR01KC10P	I	BCD, Complement	Straight PCB				
633-FR01KC16P	FR01KC16P	I	Hexadecimal, Complement	Straight PCB				
633-FR01KR10P	FR01KR10P	I	BCD, Real	Straight PCB				
633-FR01KR16P	FR01KR16P	I	Hexadecimal, Real	Straight PCB				
633-FR01KR10H	FR01KR10H-S	J	BCD, Real	R/A PCB				
633-FR01KR16H	FR01KR16H	J	Hexadecimal, Real	R/A PCB				
Screwdriver Actuated								
633-FR01FC10P	FR01FC10P	K	BCD, Complement	Straight PCB				
633-FR01FC16P	FR01FC16P	K	Hexadecimal, Complement	Straight PCB				
633-FR01FR16P	FR01FR16P	K	Hexadecimal, Real	Straight PCB				
633-FR01FC16H	FR01FC16H	L	Hexadecimal, Complement	R/A PCB				
633-FR01FR10H	FR01FR10H	L	BCD, Real	R/A PCB				
Snap-On Knob for Screwdriver Actuated								
633-AT4180	AT4180	M	Snap-On Knob	-				

NKK FRO2 SERIES: 10MM ULTRA-THIN SMT DIP ROTARIES

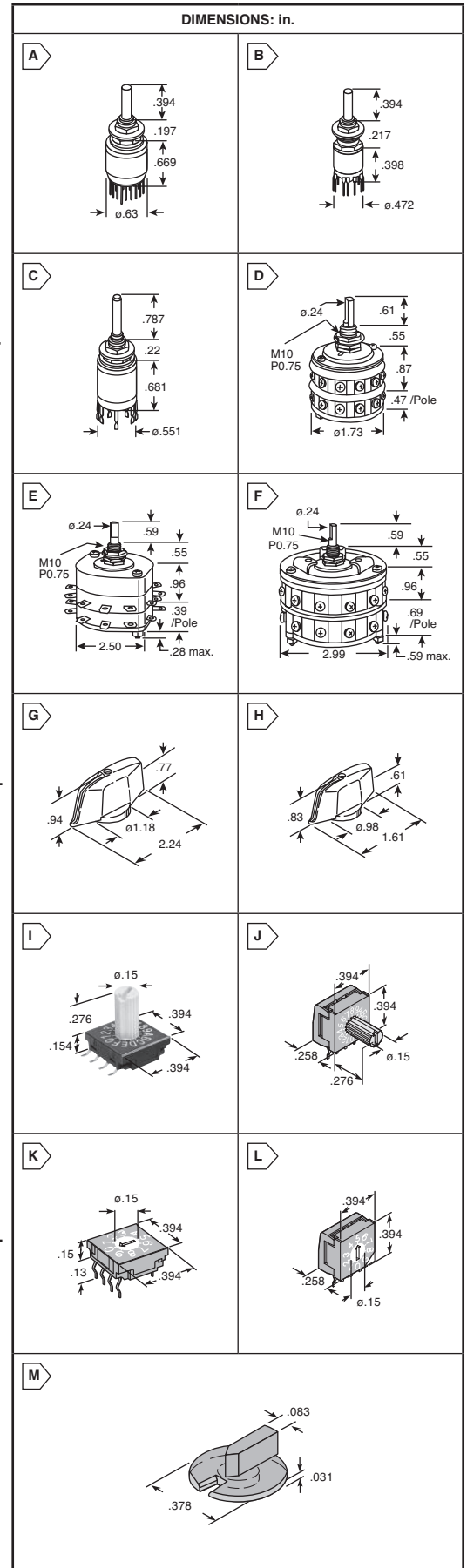
Features:

- Slim: .150" (3.8mm) body has the lower profile in the industry and allows close stacking of PC Boards.
- Highly visible legends and choice of screwed or shaft actuators with arrow position indication provide trouble free code setting.
- Detent mechanism gives crisp, positive action for accurate switch setting.
- Use of heat resistant resin allows infrared convection reflow soldering.
- Gull-winged terminals ensure mechanical stability during soldering and simplify solder joint inspection.
- Cam activated movable contact and gold contacts assure contact reliability and continuity



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Price Each			
				1	25	50	100
633-FR02KC16P-R	FR02KC16P-R	I	Complement Coded, Hexadecimal				
633-FR02KR10P-R	FR02KR10P-R	I	Real Coded, Decimal				
633-FR02KR10P-S	FR02KR10P-S	I	Real Coded, Decimal				
633-FR02KR16P-R	FR02KR16P-R	I	Real Coded, Hexadecimal				
633-FR02KR16P-S	FR02KR16P-S	I	Real Coded, Hexadecimal				
633-FR02KC10P-S	FR02KC10P-S	I	Complement Coded, Decimal				
633-FR02KC16P-S	FR02KC16P-S	I	Complement Coded, Hexadecimal				
633-FR02KC10P-R	FR02KC10P-R	I	Orange Actuator, Complement Coded, Decimal				



OMRON Rotary DIP Switches



This product is RoHS compliant.

OMRON A6C SERIES: SEALED ROTARY DIP SWITCHES

Specifications:

- Switching capacity: 100mA @ 30VDC
- Contact resistance: 200MΩ max.
- Insulation resistance: 100MΩ min. (@ 250VDC)
- Dielectric strength: 250VAC for 1 minute between terminals

Features:

- Highly reliable subminiature DIP switch
- A precise rotary cam and contact driving mechanism achieves compactness for high-precision mounting
- Offset between terminal pins and side of case allows simple circuit inspection

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Actuator	Output Code 1-2-4-8	Price Each			
						1	25	50	100
653-A6C-10RN	A6C-10R(N)	A	10	Top	BCD				
653-A6C-16RN	A6C-16R(N)	A	16	Top	BCD Hexadecimal				
653-A6CV-10R	A6CV-10R	B	10	Side	BCD				
653-A6CV-16R	A6CV-16R	B	16	Side	BCD Hexadecimal				

OMRON A6RS SERIES: SURFACE MOUNT ROTARY DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Contact resistance: 200MΩ max.
- Insulation resistance: 100MΩ min. (@ 250VDC)

Features:

- Temperature-resistant resin allows use in peak reflow temperatures of 260°C
- Two different types of terminal arrangements are available to allow flexibility in the circuit design

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Actuator	Shaft	Terminal Arrangement	Output Code 1-2-4-8	Price Each			
								1	25	50	100
653-A6RS-101RF	A6RS-101RF	C	10	Top	Flat	4 x 1	BCD				
653-A6RS-102RF	A6RS-102RF	C	10	Top	Flat	3 x 3	BCD				
653-A6RS-161RF	A6RS-161RF	C	16	Top	Flat	4 x 1	BCD Hexadecimal				
Embossed Tape, Full reel is 750											
653-A6RS-101RF-P	A6RS-101RF-P	C	10	Top	Flat	4 x 1	BCD				
653-A6RS-102RF-P	A6RS-102RF-P	C	10	Top	Flat	3 x 3	BCD				
653-A6RS-162RF-P	A6RS-162RF-P	C	16	Top	Flat	3 x 3	BCD Hexadecimal				
* 653-A6RS-162RS-P	A6RS-162RS-P	D	16	Top	Extended	3 x 3	BCD Hexadecimal				

OMRON A6R/A6RV SERIES: LOW-COST ROTARY DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Contact resistance: 200MΩ max.
- Insulation resistance: 100MΩ min. (@ 250VDC)

Features:

- The rotor has an O-ring sealed construction that prevents the ingress of dirt and dust
- Two different types of terminal arrangements are available for each model to allow flexibility of circuit design

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Actuator	Shaft	Terminal Arrangement	Output Code 1-2-4-8	Price Each			
								1	25	50	100
653-A6R-101RF	A6R-101RF	E	10	Top	Flat	4 x 1	BCD				
653-A6R-102RF	A6R-102RF	E	10	Top	Flat	3 x 3	BCD				
653-A6R-161RF	A6R-161RF	E	16	Top	Flat	4 x 1	BCD Hexadecimal				
653-A6R-162RF	A6R-162RF	E	16	Top	Flat	3 x 3	BCD Hexadecimal				
653-A6R-101RS	A6R-101RS	F	10	Top	Extended	4 x 1	BCD				
653-A6R-102RS	A6R-102RS	F	10	Top	Extended	3 x 3	BCD				
653-A6R-161RS	A6R-161RS	F	16	Top	Extended	4 x 1	BCD Hexadecimal				
653-A6R-162RS	A6R-162RS	F	16	Top	Extended	3 x 3	BCD Hexadecimal				
653-A6RV-102RF	A6RV-102RF	G	10	Side	Flat	3 x 3	BCD				
653-A6RV-161RF	A6RV-161RF	G	16	Side	Flat	4 x 1	BCD Hexadecimal				
653-A6RV-101RS	A6RV-101RS	H	10	Side	Extended	4 x 1	BCD				
653-A6RV-102RS	A6RV-102RS	H	10	Side	Extended	3 x 3	BCD				
653-A6RV-161RS	A6RV-161RS	H	16	Side	Extended	4 x 1	BCD Hexadecimal				
653-A6RV-162RS	A6RV-162RS	H	16	Side	Extended	3 x 3	BCD Hexadecimal				

OMRON A6K/A6KS/A6KSV SERIES: MINIATURE ROTARY DIP SWITCHES

Specifications:

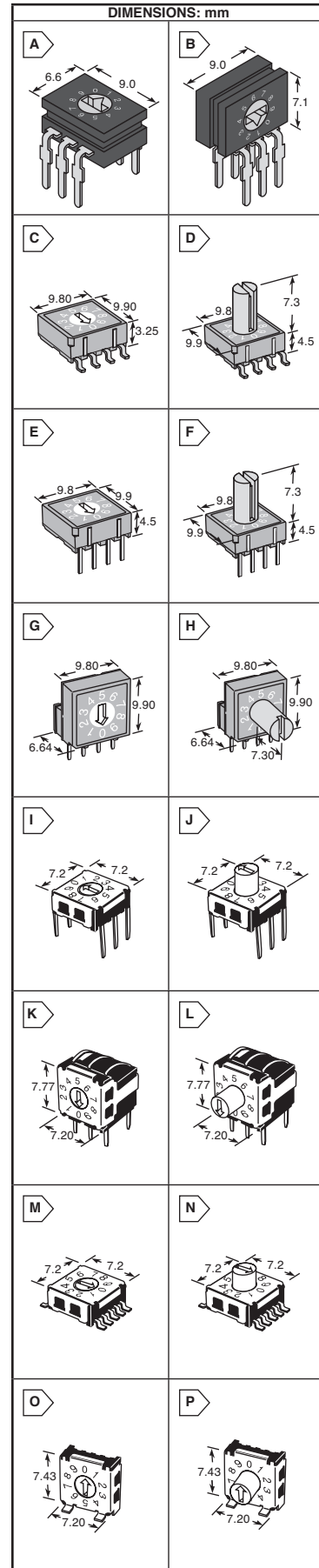
- Contact resistance: 200MΩ max. (initial value)
- Insulation resistance: 100MΩ min.

Features:

- Mounting space reduced by 50% compared with conventional models
- Gold-plated contacts ensure high reliability

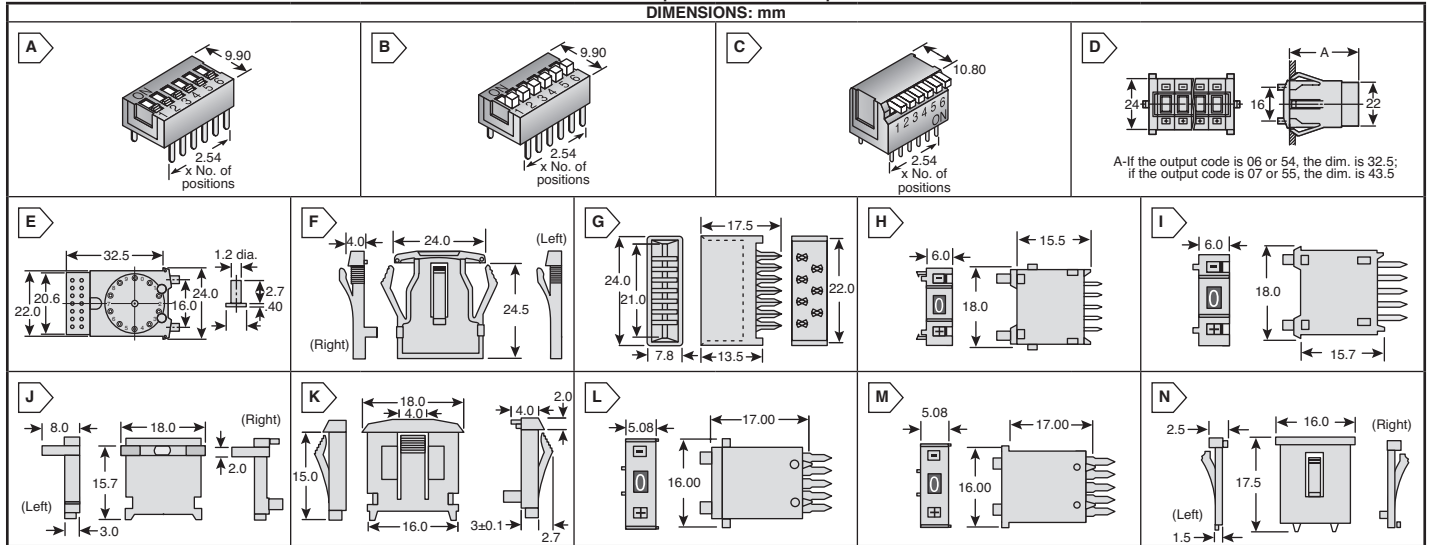
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Actuator	Shaft	Terminal Arrangement	Output Code 1-2-4-8	Price Each			
								1	25	50	100
Thru-Hole											
653-A6K-102RF	A6K-102RF	I	10	Top	Flat	3 x 3	BCD				
653-A6K-104RF	A6K-104RF	I	10	Top	Flat	5 x 2	BCD				
653-A6K-162RF	A6K-162RF	I	16	Top	Flat	3 x 3	BCD Hexadecimal				
653-A6K-164RF	A6K-164RF	I	16	Top	Flat	5 x 2	BCD Hexadecimal				
653-A6K-102RS	A6K-102RS	J	10	Top	Extended	3 x 3	BCD				
653-A6K-104RS	A6K-104RS	J	10	Top	Extended	5 x 2	BCD				
653-A6K-162RS	A6K-162RS	J	16	Top	Extended	3 x 3	BCD Hexadecimal				
653-A6K-164RS	A6K-164RS	J	16	Top	Extended	5 x 2	BCD Hexadecimal				
653-A6KV-102RF	A6KV-102RF	K	10	Side	Flat	3 x 3	BCD				
653-A6KV-104RF	A6KV-104RF	K	10	Side	Flat	5 x 2	BCD				
653-A6KV-162RF	A6KV-162RF	K	16	Side	Flat	3 x 3	BCD Hexadecimal				
653-A6KV-164RF	A6KV-164RF	K	16	Side	Flat	5 x 2	BCD Hexadecimal				
653-A6KV-102RS	A6KV-102RS	L	10	Side	Extended	3 x 3	BCD				
653-A6KV-104RS	A6KV-104RS	L	10	Side	Extended	5 x 2	BCD				
653-A6KV-162RS	A6KV-162RS	L	16	Side	Extended	3 x 3	BCD Hexadecimal				
653-A6KV-164RS	A6KV-164RS	L	16	Side	Extended	5 x 2	BCD Hexadecimal				
SMT											
653-A6KS-102RF	A6KS-102RF	M	10	Top	Flat	3 x 3	BCD				
653-A6KS-104RF	A6KS-104RF	M	10	Top	Flat	5 x 2	BCD				
653-A6KS-162RF	A6KS-162RF	M	16	Top	Flat	3 x 3	BCD Hexadecimal				
653-A6KS-164RF	A6KS-164RF	M	16	Top	Flat	5 x 2	BCD Hexadecimal				
653-A6KS-102RS	A6KS-102RS	N	10	Top	Extended	3 x 3	BCD				
653-A6KS-104RS	A6KS-104RS	N	10	Top	Extended	5 x 2	BCD				
653-A6KS-162RS	A6KS-162RS	N	16	Top	Extended	3 x 3	BCD Hexadecimal				
653-A6KS-164RS	A6KS-164RS	N	16	Top	Extended	5 x 2	BCD Hexadecimal				
653-A6KSV-104RF	A6KSV-104RF	O	10	Side	Flat	5 x 2	BCD				
653-A6KSV-164RF	A6KSV-164RF	O	16	Side	Flat	5 x 2	BCD Hexadecimal				
653-A6KSV-104RS	A6KSV-104RS	P	10	Side	Extended	5 x 2	BCD				
653-A6KSV-164RS	A6KSV-164RS	P	16	Side	Extended	5 x 2	BCD Hexadecimal				



RoHS Compliant. This product is RoHS compliant.

DIMENSIONS: mm



A-If the output code is 06 or 54, the dim. is 32.5;
If the output code is 07 or 55, the dim. is 43.5

OMRON A6E/A6ER SERIES: DIP SWITCHES

Specifications:

- Switching capacity: 25mA @ 24VDC
- Contact resistance: 200mΩ max.

Features:

- The sealed bottom prevents flux penetration
- Gold-plated contacts ensure high reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Length (mm)	Number of Positions	Actuator	Price Each			
						1	25	50	100
653-A6E2101	A6E-2101	A	6.64	2	Flat				
653-A6E-4101	A6E-4101	A	11.72	4	Flat				
653-A6E-2104	A6E-2104	B	6.64	2	Raised				
653-A6E-4104	A6E-4104	B	11.72	4	Raised				
653-A6E-5104	A6E-5104	B	14.26	5	Raised				
653-A6E-8104	A6E-8104	B	21.88	8	Raised				
653-A6ER-2104	A6ER-2104	C	6.64	2	Side (long-lever)				
653-A6ER-4104	A6ER-4104	C	11.72	4	Side (long-lever)				
653-A6ER-8104	A6ER-8104	C	21.88	8	Side (long-lever)				

OMRON A7BS SERIES: THUMBWHEEL SWITCHES

Specifications:

- Switching capacity: 0.1mA @ 28VDC
- Contact resistance: 300mΩ max.
- * With external stopper

Features:

- Character height of 4.8mm makes for easy-to-view display

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Mounting	Terminals	Color	Output Code Number	Price Each			
							1	25	50	100
Single Switch Unit										
653-A7BS-206-1	A7BS-206-1	D	Screw (front)	Solder	Black	06 (binary coded decimal)				
653-A7BS-207-1	A7BS-207-1	D	Screw (front)	Solder	Black	07 (binary coded decimal, with diode)				
* 653-A7BS-206-S	A7BS-206-S	E	Snap-in (front)	Solder	Light gray	06 (binary coded decimal)				

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description				Price Each			
			1	25	50	100				
653-A7B-M-1	A7B-M-1	F	Black end caps for A7BS (set of 2)							
653-A7B-CP	A7B-CP	G	Connector for A7BS, PCB terminals							

OMRON A7CN SERIES: THUMBWHEEL SWITCHES

Specifications:

- Switching capacity: 0.1mA @ 28VDC
- Contact resistance: 200mΩ max.

Features:

- Compact

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Mounting	Terminals	Color	Output Code Number	Price Each			
							1	25	50	100
Single Switch Unit										
653-A7CN-106-1	A7CN-106-1	H	Screw (back)	PCB	Black	06 (binary coded decimal)				
653-A7CN-206-1	A7CN-206-1	I	Snap-in (front)	PCB	Black	06 (binary coded decimal)				

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Mounting	Description				Price Each			
				1	25	50	100				
653-A7CN-1M-1	A7CN-1M-1	J	Screw (back)	Black end caps for A7CN (set of 2)							
653-A7CN-2M-1	A7CN-2M-1	K	Snap-in (front)	Black end caps for A7CN (set of 2)							

OMRON A7D SERIES: THUMBWHEEL SWITCHES

Specifications:

- Switching capacity: 0.1A @ 30VDC
- Contact resistance: 200mΩ max.

Features:

- Ultra-small, low-cost, push-operated switches
- All-in-one design means fewer parts required

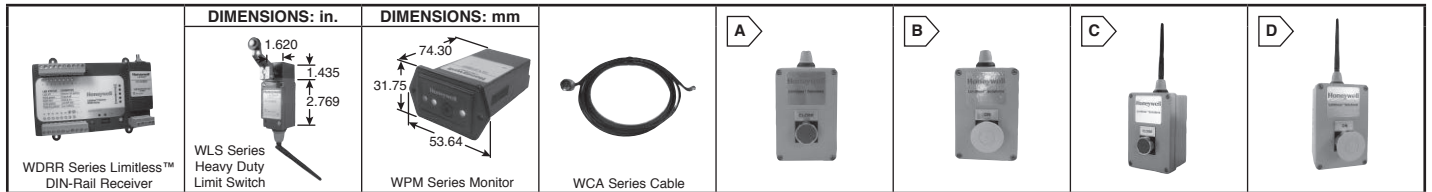
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Mounting	Terminals	Color	Output Code Number	Price Each			
							1	25	50	100
Single Switch Unit										
653-A7D-106-1	A7D-106-1	L	Screw (back)	PCB	Black	06 (binary coded decimal)				
653-A7D-206-1	A7D-206-1	M	Snap-in (front)	PCB	Black	06 (binary coded decimal)				

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Mounting	Description				Price Each			
				1	25	50	100				
653-A7D-2M-1	A7D-2M-1	N	Snap-in (front)	Black end caps for A7D (set of 2)							



LIMITLESS™ DIN-RAIL RECEIVER - WDRR SERIES

Benefits:

- Enables presence/absence detection in remote of application/ machinery, where wiring is costly or not feasible
- Ability to reconfigure and network multiple inputs, or point-to-point with personalized addresses which allows for adding, subtracting or relocating Limitless™ inputs easily
- Reduced installation/maintenance costs with no wiring to Limitless™ inputs conduit, strain, clips, connectors, connection boxes, etc.
- Eliminates issues with wire connection integrity on moving equipment
- LEDs indicate change of status, low battery RF signal loss pairing function & diagnostic functions
- Communications security per the IEEE 802.15.4 standard (16-bit PAN ID, 16-bit address and 128-bit security key)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Description	Price Each		
			1	10	50
785-WDRR1A00A0A	WDRR1A00A0A	No antenna, US/Canada/Mexico			
785-WDRR1A00B0A	WDRR1A00B0A	No antenna, for use in all other approved countries			
785-WDRR1A02A0A	WDRR1A02A0A	2.2 dBi omni antenna with remote adhesive mounting with (tilt/swivel), US/Canada/Mexico			
785-WDRR1A02B0A	WDRR1A02B0A	2.2 dBi omni antenna with remote adhesive mounting with (tilt/swivel), for all other approved countries			
785-WDRR1A03A0A	WDRR1A03A0A	3.0 dBi omni antenna with remote adhesive mounting with remote adhesive mounting with 9.8 ft cable, US/Canada/Mexico			
785-WDRR1A03B0A	WDRR1A03B0A	3.0 dBi omni antenna with remote adhesive mounting with remote adhesive mounting with 9.8 ft cable, for use in all other approved countries			
785-WDRR1A05A0A	WDRR1A05A0A	5.5 dBi omni antenna (tilt/swivel design) with remote magnetic mounting with 10ft cable, US/Canada/Mexico			
785-WDRR1A05B0A	WDRR1A05B0A	5.5 dBi omni antenna (tilt/swivel design) with remote magnetic mounting with 10ft cable, for use in all other approved countries			

LIMITLESS™ WIRELESS HEAVY DUTY LIMIT SWITCH - WLS SERIES

Wireless Design Features:

- Radio (license-free and global): WPAN 802.15.4, 2.4GHz, point-to-point
- FCC 15, IC, ACMA & ETS
- EMI Immunity
- Up to 305 m [1000 ft] communication range when used with a Limitless™ wireless monitor or receiver module (sold separately)
- Reliable, flexible, and secure wireless transmission
- Standard replaceable battery with ultra-low power consumption
- Direct or remote mount antenna options

Mechanical Design Features:

- IP67; NEMA 1, 3, 4, 6, 6P, 12, 13
- Unique all-metal drive train
- Twin shaft seals (rotary)
- Zinc head and body are phosphate treated and epoxy finished making it less susceptible to effects from environmental exposure
- Captive head and body screws
- Full complement of operating heads and levers
- Chemical resistant fluorocarbon seals (optional)

Switch Benefits:

- Built on field-proven MICRO SWITCH™ HDLS heritage
- Operating head rotary tested in excess of 50 million cycles for enhanced reliability
- Diaphragm seal between head and body cavity provides sealing protection
- Twin shaft seals protect head and internal components from corrosion and debris
- Sintered bronze bearings provide extended mechanical life



For quantities greater than listed, call for quote.

WLS Series Heavy Duty Limit Switches

MOUSER STOCK NO.	Honeywell Part No.	Description	1	10	50
785-WLS1A01AA1A	WLS1A01AA1A	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, momentary action, side rotary, fixed 1.5 in lever with nylon roller			
785-WLS1A01AA1B	WLS1A01AA1B	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, momentary action, side rotary, fixed 1.5 in lever with steel roller			
785-WLS1A01AA2A	WLS1A01AA2A	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with nylon roller			
785-WLS1A01AA2B	WLS1A01AA2B	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with steel roller			
785-WLS1A01AC	WLS1A01AC	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, top plunger			
785-WLS1A01AD	WLS1A01AD	Limitless™ heavy-duty limit switch, 2.2 dBi straight antenna, US/Canada, top roller plunger			
785-WLS1A02AA1A	WLS1A02AA1A	Limitless™ heavy-duty limit switch, 2.2 dBi tilt/swivel antenna, US/Canada, momentary action, side rotary, fixed 1.5 in lever with nylon roller			
785-WLS1A02AA1B	WLS1A02AA1B	Limitless™ heavy-duty limit switch, 2.2 dBi tilt/swivel antenna, US/Canada, momentary action, side rotary, fixed 1.5 in lever with steel roller			
785-WLS1A02AA2A	WLS1A02AA2A	Limitless™ heavy-duty limit switch, 2.2 dBi tilt/swivel antenna, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with nylon roller			
785-WLS1A02AA2B	WLS1A02AA2B	Limitless™ heavy-duty limit switch, 2.2 dBi tilt/swivel antenna, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with steel roller			
785-WLS1A00AA1A	WLS1A00AA1A	Limitless™ heavy-duty limit switch, US/Canada, momentary action, side rotary, fixed 1.5 in lever with nylon roller			
785-WLS1A00AA1B	WLS1A00AA1B	Limitless™ heavy-duty limit switch, US/Canada, momentary action, side rotary, fixed 1.5 in lever with steel roller			
785-WLS1A00AA2A	WLS1A00AA2A	Limitless™ heavy-duty limit switch, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with nylon roller			
785-WLS1A00AA2B	WLS1A00AA2B	Limitless™ heavy-duty limit switch, US/Canada, momentary action, side rotary, adjustable 3.5 in lever with steel roller			

WPMM Series Monitor

MOUSER STOCK NO.	Honeywell Part No.	Description	1	10	50
785-WPMM1A03A	WPMM1A03A	Limitless™ WPMM Series Monitor, 2.4 GHz, 3.0 dBi omni antenna with remote adhesive mounting with 9.8 ft cable, for use in US/Canada			
785-WPMM1A04A	WPMM1A04A	Limitless™ WPMM Series Monitor, 2.4 GHz, 5.5 dBi omni antenna (tilt & swivel design) with remote magnetic mounting with 5 ft cable, for use in US/Canada			
785-WPMM1A05A	WPMM1A05A	Limitless™ WPMM Series Monitor, 2.4 GHz, 5.5 dBi omni antenna (tilt & swivel design) with remote magnetic mounting with 10 ft cable, for use in US/Canada			
785-WPMM1A02A	WPMM1A02A	Limitless™ WPMM Series Monitor, 2.4 GHz, 2.1 dBi omni antenna (tilt & swivel design), for use in US/Canada			

WCA Series Cable

MOUSER STOCK NO.	Honeywell Part No.	Description	1	10	50
785-WCA200RNPRSP-002	WCA200RNPRSP-002	200 Series coax cable assembly, reverse polarity N plug, reverse polarity SMA plug, 2 ft of cable			
785-WCA200RNPRSP-010	WCA200RNPRSP-010	200 Series coax cable assembly, reverse polarity N plug, reverse polarity SMA plug, 10 ft of cable			

LIMITLESS WIRELESS OPERATOR INTERFACE - WOI SERIES

Benefits:

- Enables operator indication (i.e. push button) from remote locations where wiring is too costly or not possible
- Flexibility for users to choose and install their desired operator type; i.e. 22 mm rotary switch, 22 mm key switch, etc.
- Ability to reconfigure and network multiple WOI inputs, or point-to-point with personalized addresses, which allows for adding, subtracting or relocating of Limitless™ WOI switches easily
- Reduced installation/maintenance costs with no wires, conduit, strain relief, clips, connectors, connection boxes, etc.
- Eliminates issues with wire connection integrity on moving equipment
- Consumes ultra-low power to prolong battery life



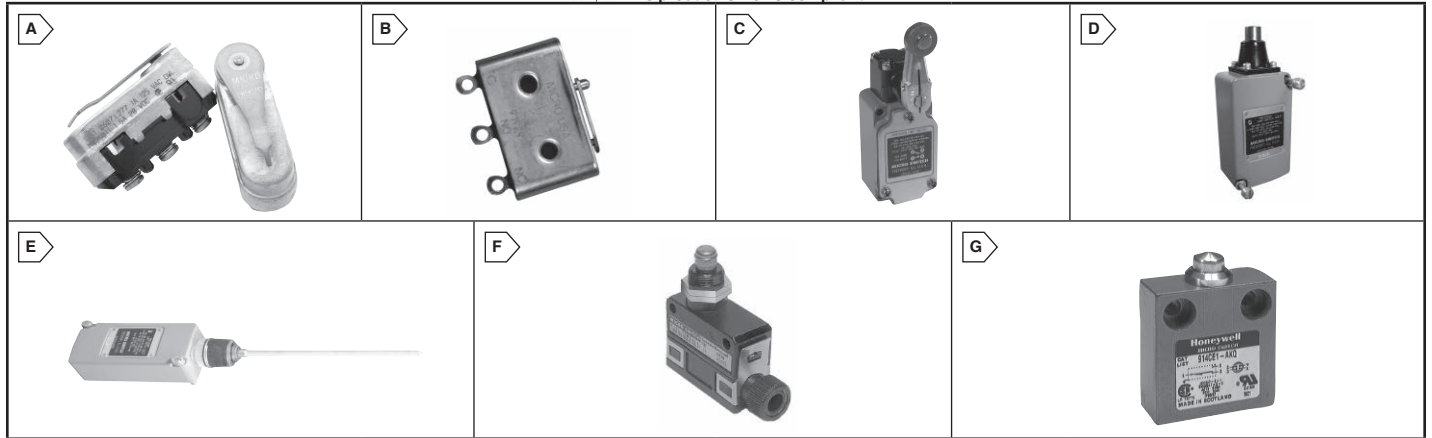
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Region	Antenna Code	Actuator Type	Actuator Color	Price Each		
							1	10	50
22 mm Actuator									
785-WO1A00APAG	WO1A00APAG	A	US,CA,MX	RF-SMA Connector Jack, No Antenna	Flush Momentary	Green			
785-WO1A00APAR	WO1A00APAR	A	US,CA,MX	RF-SMA Connector Jack, No Antenna	Flush Momentary	Red			
785-WO1A11APAG	WO1A11APAG	B	US,CA,MX	0 dBi Omnidirectional with Switch Mount	Flush Momentary	Green			
785-WO1A11APAR	WO1A11APAR	B	US,CA,MX	0 dBi Omnidirectional with Switch Mount	Flush Momentary	Red			
785-WO1A00BPAG	WO1A00BPAG	A	AU, NZ, Europe	RF-SMA Connector Jack, No Antenna	Flush Momentary	Green			
785-WO1A00BPAR	WO1A00BPAR	A	AU, NZ, Europe	RF-SMA Connector Jack, No Antenna	Flush Momentary	Red			
785-WO1A11BPAG	WO1A11BPAG	B	AU, NZ, Europe	0 dBi Omnidirectional with Switch Mount	Flush Momentary	Green			
785-WO1A11BPAR	WO1A11BPAR	B	AU, NZ, Europe	0 dBi Omnidirectional with Switch Mount	Flush Momentary	Red			
29 mm Actuator									
785-WO1A00APBY	WO1A00APBY	C	US,CA,MX	RF-SMA Connector Jack, No Antenna	Mushroom Head Momentary	Yellow			
785-WO1A11APBY	WO1A11APBY	D	US,CA,MX	0 dBi Omnidirectional with Switch Mount	Mushroom Head Momentary	Yellow			
785-WO1A00BPBY	WO1A00BPBY	C	AU, NZ, Europe	RF-SMA Connector Jack, No Antenna	Mushroom Head Momentary	Yellow			
785-WO1A11BPBY	WO1A11BPBY	D	AU, NZ, Europe	0 dBi Omnidirectional with Switch Mount	Mushroom Head Momentary	Yellow			
40 mm Actuator									
785-WO1A00APCY	WO1A00APCY	C	US,CA,MX	RF-SMA Connector Jack, No Antenna	Mushroom Head Maintained	Yellow			
785-WO1A11APCY	WO1A11APCY	D	US,CA,MX	0 dBi Omnidirectional with Switch Mount	Mushroom Head Maintained	Yellow			
785-WO1A00BPCY	WO1A00BPCY	C	AU, NZ, Europe	RF-SMA Connector Jack, No Antenna	Mushroom Head Maintained	Yellow			
785-WO1A11BPCY	WO1A11BPCY	D	AU, NZ, Europe	0 dBi Omnidirectional with Switch Mount	Mushroom Head Maintained	Yellow			

HONEYWELL Limit Switches

Honeywell

RoHS Compliant This product is RoHS compliant.



MICRO SWITCH™ SEALED AND HIGH TEMPERATURE SWITCHES

Contain a spring and set of contacts that convert mechanical energy applied to an actuator into an electrical output. Environmentally sealed switches are basic precision switches enclosed within a corrosion-resistant aluminum housing that seals the switch contacts from contamination. Hermetically sealed switches include those that maintain the contact in a gas-tight seal while transmitting force and motion to the switch mechanism through a metal diaphragm. High temperature versions have the switching element mounted on a ceramic base with a stainless steel enclosure. Wide variety of actuators, terminations, circuitry configurations, electrical ratings, contact materials and operating characteristics provide application flexibility. Meet military standards. U.S., European and other approval agency allow global use.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Contact Rating & Voltage	Actuator Type	Operating Force (max.)	Lever Style	Price Each		
							1	10	50
785-1HS3	1HS3	A	115 Vac	Roller Lever	2.78 N	Screw			
785-1SE1-T	1SE1-T	A	250 Vac	Pin Plunger	1.39 N	Solder			
785-1SE1	1SE1	A	250 Vac	Pin Plunger	1.39 N	Leadwire			
785-9HM1	9HM1	B	28 Vdc	Integral Lever	1.95 N	Solder			
785-11HM1	11HM1	B	28 Vdc	Integral Lever	1.95 N	Solder			

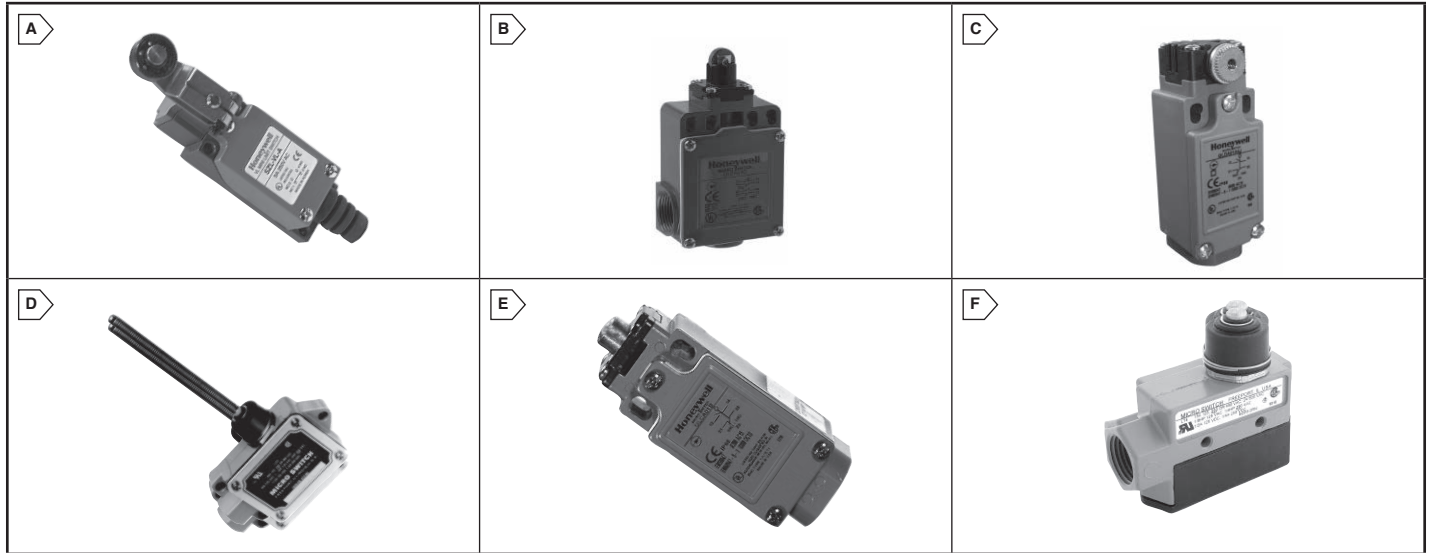
MICRO SWITCH™ COMPACT LIMIT SWITCHES

Small package size. These metal or plastic switches are available with a variety of actuators, electrical specifications, terminations, circuitry and sealing ratings.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Circuit or Switch Function	Actuator Type	Operating Force (max.)	Lever Style	Price Each		
							1	10	50
785-1LS2	1LS2	C	1 NC 1 NO	Side Rotary	0.51 N	Not Included			
785-1LS3	1LS3	C	1 NC 1 NO	Side Rotary	0.51 N	Roller-adj.			
785-1LS3-L	1LS3-L	C	1 NC 1 NO	Side Rotary	0.51 N	Roller-adj.			
785-1LS53	1LS53	C	1 NC 1 NO	Side Rotary	0.11 N	Rod-adj.			
785-1LS56	1LS56	C	1 NC 1 NO	Side Rotary	0.11 N	Not Included			
785-1LS9	1LS9	C	1 NC 1 NO	Side Rotary	0.51 N	Not Included			
785-20LS1	20LS1	C	1 NC 1 NO	Side Rotary	0.51 N	Roller-fixed			
785-20LS3	20LS3	C	1 NC 1 NO	Side Rotary	0.51 N	Roller-adj.			
785-3LS1	3LS1	C	1 NC 1 NO	Side Roller Plunger	40.03 N	None			
785-4LS1	4LS1	C	1 NC 1 NO	Side Plunger	40.03 N	None			
785-6LS1	6LS1	C	1 NC 1 NO	Side Rotary	0.34 N	Roller-yolk			
785-202LS1	202LS1	D	1 NC 1 NO	Top Plunger	31.14 N	None			
785-2LS1	2LS1	D	1 NC 1 NO	Top Plunger	31.14 N	None			
785-2LS1-L	2LS1-L	D	1 NC 1 NO	Top Plunger	31.14 N	None			
785-208LS1	208LS1	E	1 NC 1 NO	Wobble-Flex Cable	1.39 N	None			
785-208LS152	208LS152	E	1 NC 1 NO	Wobble-Coil Spring	1.39 N	None			
785-8LS1	8LS1	E	1 NC 1 NO	Wobble-Flex Cable	1.39 N	None			
785-8LS152	8LS152	E	1 NC 1 NO	Wobble-Coil Spring	1.39 N	None			
785-8LS1-L	8LS1-L	E	1 NC 1 NO	Wobble-Cable	1.39 N	None			
785-SL1-A	SL1-A	F	1 NC 1 NO	Top Roller Plunger	11.76 N	None			
785-SL1-AK	SL1-AK	F	1 NC 1 NO	Top Roller Plunger	11.76 N	None			
785-SL1-D	SL1-D	F	1 NC 1 NO	Cross Roll Plunger	11.76 N	None			
785-SL1-E	SL1-E	F	1 NC 1 NO	Top Roll Plunger-Long	11.76 N	None			
785-SL1-EK	SL1-EK	F	1 NC 1 NO	Top Roll Plunger-Long	11.76 N	None			
785-SL1-H	SL1-H	F	1 NC 1 NO	Top Plunger-Short	11.76 N	None			
785-SL1-KK	SL1-KK	F	1 NC 1 NO	Cross Roll Plunger-long	11.76 N	None			
785-SL1-P	SL1-P	F	1 NC 1 NO	Top Roller Arm	3.92 N	None			
785-914CE1-3	914CE1-3	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE1-3A	914CE1-3A	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE1-6	914CE1-6	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE1-6A	914CE1-6A	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE18-3	914CE18-3	G	1 NC 1 NO	Top Plunger	22.5 N	None			
785-914CE18-3AL1	914CE18-3AL1	G	1 NC 1 NO	Top Plunger	22.5 N	None			
785-914CE18-6	914CE18-6	G	1 NC 1 NO	Top Plunger	22.5 N	None			
785-914CE18-9	914CE18-9	G	1 NC 1 NO	Top Plunger	22.5 N	None			
785-914CE18-Q	914CE18-Q	G	1 NC 1 NO	Top Plunger	22.5 N	None			
785-914CE1-9	914CE1-9	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE1-Q	914CE1-Q	G	1 NC 1 NO	Top Plunger	11.8 N	None			
785-914CE2-3	914CE2-3	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-3A	914CE2-3A	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-6	914CE2-6	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-6A	914CE2-6A	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE28-3	914CE28-3	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-9	914CE2-9	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-AQ	914CE2-AQ	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE2-Q	914CE2-Q	G	1 NC 1 NO	Top Roller Plunger	11.8 N	None			
785-914CE31-6	914CE31-6	G	1 NC 1 NO	Top Roller Plunger	17.5 N	None			
785-914CE3-3	914CE3-3	G	1 NC 1 NO	Cross Roll Plunger	11.8 N	None			
785-914CE3-6	914CE3-6	G	1 NC 1 NO	Cross Roll Plunger	11.8 N	None			
785-914CE3-9	914CE3-9	G	1 NC 1 NO	Cross Roll Plunger	11.8 N	None			
785-914CE3-Q	914CE3-Q	G	1 NC 1 NO	Cross Roll Plunger	11.8 N	None			
785-914CE66-3	914CE66-3	G	1 NC 1 NO	Ball Bearing Plunger	11.8 N	None			

RoHS Compliant **This product is RoHS compliant.**



MICRO SWITCH™ GLOBAL LIMIT SWITCHES

Designed to IEC standard for world-wide acceptance. These metal or plastic switches are available with a wide variety of actuators, electrical specifications, terminations, circuitry and sealing ratings.



* Part is UL only.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Contact Form	Circuitry	Actuator Type	Operating Force (max.)	Lever Style	Price Each		
								1	10	50
* 785-SZL-VL-H	SZL-VL-H	A	SPDT	1 NC 1 NO	Roller Plunger	8.83 N	None			
* 785-SZL-VL-G	SZL-VL-G	A	SPDT	1 NC 1 NO	Wobble-Coil Spring	0.88 N	None			
* 785-SZL-VL-F	SZL-VL-F	A	SPDT	1 NC 1 NO	Wobble-Plastic Rod	0.88 N	None			
* 785-SZL-VL-D	SZL-VL-D	A	SPDT	1 NC 1 NO	Top Plunger	8.83 N	None			
* 785-SZL-VL-C	SZL-VL-C	A	SPDT	1 NC 1 NO	Side Rotary	2.0-7.84N	None			
* 785-SZL-VL-B	SZL-VL-B	A	SPDT	1 NC 1 NO	Side Rotary	3.35-7.84 N	None			
* 785-SZL-VL-A	SZL-VL-A	A	SPDT	1 NC 1 NO	Side Rotary	5.88 N	None			
785-GLEA24C	GLEA24C	B	DPDT	2 NC 2 NO	Top Roller Plunger	13.0 N	None			
785-GLEA24A1B	GLEA24A1B	B	DPDT	2 NC 2 NO	Side Rotary	0.165 N	Roller-Std			
785-GLDA01A4J	GLDA01A4J	C	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Rod-adj.			
785-GLDA01A2A	GLDA01A2A	C	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-adj.			
785-GLDA01A1B	GLDA01A1B	C	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-Std, Steel			
785-GLDA01A1A	GLDA01A1A	C	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-Std, Plastic			
785-GLCA01C	GLCA01C	D	SPDT	1 NC 1 NO	Top Roller Plunger	16.0 N	None			
785-GLCA01B	GLCA01B	E	SPDT	1 NC 1 NO	Top Plunger	16.0 N	None			
785-GLCA01A4J	GLCA01A4J	E	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Rod-adj.			
785-GLCA01A2B	GLCA01A2B	E	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-adj., Steel			
785-GLCA01A2A	GLCA01A2A	E	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-adj., Plastic			
785-GLCA01A1B	GLCA01A1B	E	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-Std, Steel			
785-GLCA01A1A	GLCA01A1A	E	SPDT	1 NC 1 NO	Side Rotary	0.120 N	Roller-Std, Plastic			
785-GLAA01B	GLAA01B	E	SPDT	1 NC 1 NO	Top Plunger	16.0 N	None			

MICRO SWITCH™ MEDIUM-DUTY LIMIT SWITCHES

Application-proven enclosed switches (precision snap-acting switches sealed in rugged metal housing). Honeywell Sensing and Control's (S&C) limit switches offer superior flexibility and performance.



* Part is UL only.

785-BAF1-2RN-RH	BAF1-2RN-RH	D	SPDT	1 NC 1 NO	Top Plunger	11.2 N	None			
785-BAF1-2RN18-LH	BAF1-2RN18-LH	D	SPDT	1 NC 1 NO	Wobble-Coil Spring, LH	--	None			
785-BAF1-2RN18-RH	BAF1-2RN18-RH	D	SPDT	1 NC 1 NO	Wobble-Coil Spring, RH	--	None			
785-BAF1-2RN2-LH	BAF1-2RN2-LH	D	SPDT	1 NC 1 NO	Top Roller Arm	8.90 N	Roller-adj.			
785-BAF1-2RQ9-RH	BAF1-2RQ9-RH	D	SPDT	1 NC 1 NO	Top Roller Plunger	11.1 N	None			
785-BAF1-3RNX1	BAF1-3RNX1	D	SPDT	1 NC 1 NO	Top Plunger	7.79 N	None			
* 785-BZE6-2RN	BZE6-2RN	F	SPDT	1 NC 1 NO	Top Plunger	2.50 N	None			
* 785-BZE6-2RN-S	BZE6-2RN-S	F	SPDT	1 NC 1 NO	Top Plunger	2.50 N	None			
785-BZE6-2RN18	BZE6-2RN18	F	SPDT	1 NC 1 NO	Wobble-Coil Spring	1.95 N	None			
785-BZE6-2RN2	BZE6-2RN2	F	SPDT	1 NC 1 NO	Top Roller Arm	5.56 N	Roller-adj.			
785-BZE6-2RN4	BZE6-2RN4	F	SPDT	1 NC 1 NO	Manual Palm Button	5.56 N	None			
785-BZE6-2RN7	BZE6-2RN7	F	SPDT	1 NC 1 NO	Top Plunger	6.67 N	None			
785-BZE6-2RN72	BZE6-2RN72	F	SPDT	1 NC 1 NO	Top Plunger	6.67 N	None			
785-BZE6-2RN80	BZE6-2RN80	F	SPDT	1 NC 1 NO	Top Roller Plunger	6.67 N	None			
785-BZE6-2RQ	BZE6-2RQ	F	SPDT	1 NC 1 NO	Top Plunger	3.61 N	None			
785-BZE6-2RQ62	BZE6-2RQ62	F	SPDT	1 NC 1 NO	Low Force Rod	1.39 N	Rod-Low Force			
785-BZE6-2RQ8	BZE6-2RQ8	F	SPDT	1 NC 1 NO	Top Roller Plunger	3.61 N	None			
785-BZE6-2RQ81	BZE6-2RQ81	F	SPDT	1 NC 1 NO	Cross Roller Plunger	3.61 N	None			
785-BZE6-RNX1	BZE6-RNX1	F	SPDT	1 NC 1 NO	Top Plunger	5.56 N	None			
* 785-BZG1-2RN	BZG1-2RN	F	SPDT	1 NC 1 NO	Top Plunger	6.67 N	None			
* 785-BZG1-2RN2	BZG1-2RN2	F	SPDT	1 NC 1 NO	Top Roller Arm	5.56 N	Roller-adj.			
785-BZV6-2RN	BZV6-2RN	F	SPDT	1 NC 1 NO	Top Plunger	6.67 N	None			
785-BZV6-2RN18	BZV6-2RN18	F	SPDT	1 NC 1 NO	Wobble - Coil Spring	1.95 N	None			
785-BZV6-2RN2	BZV6-2RN2	F	SPDT	1 NC 1 NO	Top Roller Arm	5.56 N	Roller-adj.			
785-BZV6-2RQ2	BZV6-2RQ2	F	SPDT	1 NC 1 NO	Top Roller Arm	5.00 N	Roller-adj.			
785-BZV6-2RQ8	BZV6-2RQ8	F	SPDT	1 NC 1 NO	Top Roller Plunger	3.61 N	None			
785-DTE6-2RN	DTE6-2RN	F	SPDT	2 NC 2 NO	Top Plunger	16.4 N	None			
785-DTE6-2RN2	DTE6-2RN2	F	SPDT	2 NC 2 NO	Top Roller Arm	13.34 N	Roller-adj.			
785-DTE6-2RN80	DTE6-2RN80	F	SPDT	2 NC 2 NO	Top Roller Plunger	13.34 N	None			
785-DTE6-2RQ2	DTE6-2RQ2	F	SPDT	2 NC 2 NO	Top Roller Arm	5.57 N	Roller-adj.			
785-DTE6-2RQ9	DTE6-2RQ9	F	SPDT	2 NC 2 NO	Top Roller Plunger	13.34 N	None			
785-DTV6-2RN	DTV6-2RN	F	SPDT	2 NC 2 NO	Top Plunger	16.4 N	None			

Honeywell Limit Switches

HONEYWELL Limit Switches



This product is RoHS compliant.

Honeywell

LIMITLESS™ WGLA GLOBAL LIMIT SWITCHES & WPMM MONITOR

The new Limitless™ product line combines the best of MICRO SWITCH™ global limit switches with the latest commercial off-the-shelf wireless technology. Wireless-enabled limit switches can now be used for position sensing and presence/absence detection for an endless number of applications. The Limitless™ Series is especially beneficial for remote monitoring applications where wiring or wire maintenance is not physically possible or economically feasible. Combining this greater flexibility with proven harsh duty packaging can result in increased efficiencies and improved safety for machine and equipment OEMs and operators.

Honeywell's Limitless™ solutions should prove to be cost-effective when compared with traditional, wired limit switch solutions based on installation costs, on-going maintenance, and wiring integrity. The WGLA Series features the strong switching specifications and the metal EN 50041 housing of the MICRO SWITCH™ GLA Series further strengthened with wireless capabilities.



RoHS Compliant



Switch

Value Propositions:

- **Functionality:** Wireless connectivity meets existing wireless protocol standards and existing mounting configurations. It also maintains the ability to add more I/O devices as needed
- **Installed cost:** The Limitless™ Series greatly reduces the costs of wiring, installation, and maintenance for all devices and equipment
- **Flexibility:** Can be quickly reconfigured to be used point-to-point or potentially network up to 16 switches. WGLA Series switches provide increased productivity (uptime), reduced component complexity, and danger
- **Honeywell:** The Honeywell brand, with over 75 years of sensing and switch experience, delivers a broad limit switch portfolio with existing configurations and custom products. The Limitless™ Series is an extension of our vast energy-driven experience and resources

Features:

- Enables presence/absence detection in remote parts of applications or machinery, where wiring is an issue or not feasible
- Integration of existing wireless technology with proven reliability of Honeywell's MICRO SWITCH™ limit switch series
- Ability to reconfigure and network multiple switches or point-to-point personalized addresses, thus easily allowing adding, subtracting, or relocating of Limitless™ switches
- Reduced installation/maintenance costs with no wires, conduit, strain relief, clips, connectors, or connection boxes
- Consumes ultra-low power to prolong battery life (replaceable)
- Long-range signal of 1000 ft/304 m line-of-sight in North America
- RF board operating in 2.4 GHz globally license-free frequency band; WPAN 802.15.4
- EN 50041 metal enclosure; IP67; NEMA 1, 4, 12, 13
- Full complement of operating heads and levers, as well as monitor/receivers and accessories

Applications:

- Valve position
- Construction/Ag machines
- Crane boom/jib/skew position
- Remote or temporary equipment
- Lifts
- Moveable machinery
- Material handling
- Grain diverters or flaps
- Presses
- Hose attachment verification
- Conveyors
- Specialty machines



Monitor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Description	Price Each		
			1	10	50
WGLA Series Global Limit Switch					
785-WGLA1A01AA1A	WGLA1A01AA1A	Limitless™ Series WGLA Global Limit Switch, 2.1 dBi omni straight antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] nylon rollers			
785-WGLA1A01AA1B	WGLA1A01AA1B	Limitless™ Series WGLA Global Limit Switch, 2.1 dBi omni straight antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] steel rollers			
785-WGLA1A01AB	WGLA1A01AB	Limitless™ Series WGLA Global Limit Switch, 2.1 dBi omni straight antenna, use in US/Canada, top pin plunger			
785-WGLA1A01AC	WGLA1A01AC				
785-WGLA1A01AD	WGLA1A01AD	Limitless™ Series WGLA Global Limit Switch, 2.1 dBi omni straight antenna, use in US/Canada, top roller plunger			
785-WGLA1A02AB	WGLA1A02AB				
785-WGLA1A02AC	WGLA1A02AC	Limitless™ Series WGLA Global Limit Switch, 2.1 dBi omni tilt & swivel antenna, use in US/Canada, top pin plunger			
785-WGLA1A02AD	WGLA1A02AD				
785-WGLA1A04AB	WGLA1A04AB	Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, top pin plunger			
785-WGLA1A04AC	WGLA1A04AC	Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5 ft of cable, use in US/Canada, top roller plunger			
WPMM Series Monitor					
785-WPMM1A03A	WPMM1A03A	Limitless™ WPMM Series Monitor, 2.4 GHz, 3.0 dBi omni antenna with remote adhesive mounting with 9.8 ft cable, for use in US/Canada			
785-WPMM1A04A	WPMM1A04A	Limitless™ WPMM Series Monitor, 2.4 GHz, 5.5 dBi omni antenna (tilt & swivel design) with remote magnetic mounting with 5 ft cable, for use in US/Canada			
785-WPMM1A05A	WPMM1A05A	Limitless™ WPMM Series Monitor, 2.4 GHz, 5.5 dBi omni antenna (tilt & swivel design) with remote magnetic mounting with 10 ft cable, for use in US/Canada			
785-WPMM1A02A	WPMM1A02A	Limitless™ WPMM Series Monitor, 2.4 GHz, 2.1 dBi omni antenna (tilt & swivel design), for use in US/Canada			

Honeywell

Limit Switches

MICRO SWITCH™ BX2 SERIES HAZARDOUS AREA SWITCH

The MICRO SWITCH™ BX2 Series has a stainless steel housing that provides enhanced corrosion resistance in applications exposed to aggressive, caustic agents. The stainless steel housing helps protect the switch mechanism from corrosion often present in chemical processing plants, off-shore/near shore sites and other hazardous areas. To comply with explosion-proof switching requirements, the flame path within the switch housing is designed to contain the cool escaping hot gases/fumes which could cause an explosion outside of the switch.

Features:

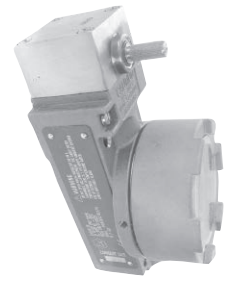
- Same high performance as the MICRO SWITCH™ BX series with a stainless steel housing
- New stainless steel housing provides corrosion resistance in aggressive environments up to four times longer than standard housing switches
- IP67; NEMA 1, 3, 4, 6, 13
- UL, CSA, ATEX, IEC Ex approvals
- Tracking interchangeable with MICRO SWITCH™ BX Series for drop-in replacement
- Conduit selection for global connectivity
 - 1/2 in and 3/4 in NPT on BX2 products
 - 20 mm on BX24 products
- Variety of heads & non-sparking actuators

Applications (Industrial):

- Off-shore drilling/pipeline (oil and gas, pigging)
- Control valves and actuators
- Gas recovery and blowout preventer units
- Petrochemical plants
- Chemical processing
- Grain elevators
- Waste treatment
- Paint booths
- Mining conveyors
- Pulp and paper handling
- Hazardous waste handling



BX2C4L



BX2P4L



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Description	Price Each		
			1	5	10
785-BX2C4L	BX2C4L	Stainless steel housing, 3/4 in - 14NPT conduit, top plunger, plain, 2NO/2NC			
785-BX2P4L	BX2P4L	Stainless steel housing, 3/4 in - 14NPT conduit, side rotary, momentary, no lever, low pre-travel, 2NO/2NC			

© Copyright 2014 Mouser Electronics

© Copyright 2014 Mouser Electronics

mouser.com/honeywell

For current pricing,
visit mouser.com

EUsales@mouser.com

1745

APM HEXSEAL Environmental Sealing Boots



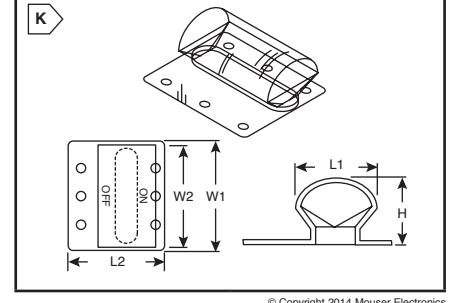
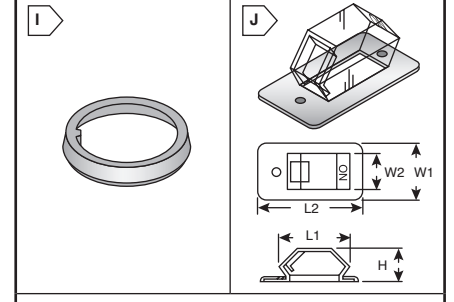
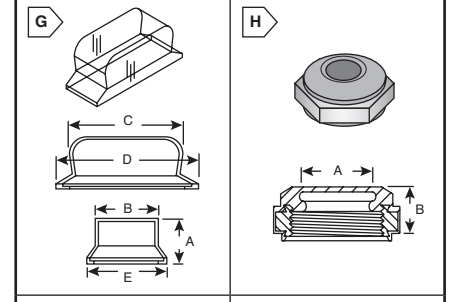
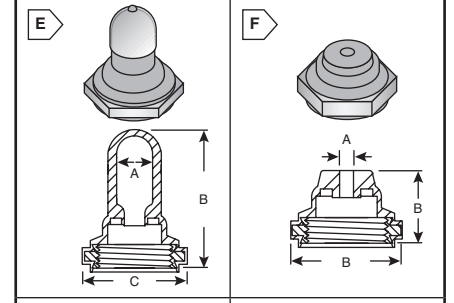
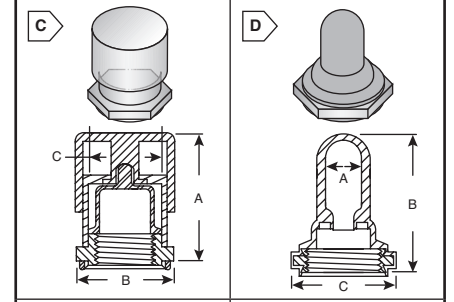
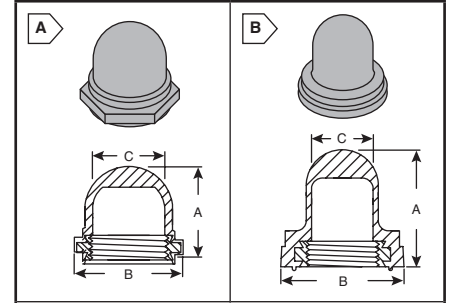
APM HEXSEAL PUSHBUTTON SWITCH BOOTS

- Silicone rubber boot, with molded-in mounting nut
- Completely covers actuator
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions: in.			Plunger Height (in.)	Color	Price Each		
				A	B	C			1	25	50
608-N3030	N3030	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray			
608-N3030-2605	N3030 2605	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Green			
608-N3030-2619	N3030 2619	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Yellow			
608-N3030-2604	N3030 2604	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Red			
608-NC3030	NC3030	A	15/32-32NS-2B	0.719	0.625	0.422	0.438	Gray			
608-NH3030	NH3030	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray			
608-N5040	N5040	A	1/4-40NS-2B	0.313	0.375	0.188	0.141	Gray			
608-N5040G	N5040G	A	1/4-40NS-2B	0.313	0.375	0.188	0.203	Gray			
608-N5040R	N5040R	A	1/4-40NS-2B	0.313	0.375	0.188	0.203	Gray			
608-1231/8/49	1231/8/49	A	3/8-27NS-2B	0.653	0.500	0.300	0.545	Clear			
608-1221/12	1221/12	B	3/8-27NS-2B	0.609	0.641	0.320	0.330	Gray			
608-1221/15	1221/15	B	15/32-32NS-2B	0.719	0.766	0.375	0.400	Gray			
608-C1221/21/4	C1221/21/4	B	3/8-27NS-2B	0.609	0.641	0.320	0.330	Clear			
608-C1221/23	C1221/23	B	3/8-32NEF-2B	0.609	0.641	0.320	0.330	Clear			
608-C1221/25	C1221/25	B	3/8-32NS-2B	0.609	0.500	0.320	0.545	Black			
608-N3030-RFI	N3030 RFI	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray			
608-NH3030-RFI	NH3030 RFI	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray			
608-1238/1	1238/1	C	15/32-32NS-2B	0.984	0.750	0.422	0.438	Armored			



APM HEXSEAL TOGGLE SWITCH BOOTS

- Silicone rubber with molded-in hex mounting nut
- Seals both switch and panel cutout
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions: in.			Plunger Ht	Color	Price Each		
				A	B	C			1	25	50
608-N1030	N1030	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray			
608-N1030-2504	N1030 2504	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Green			
608-N1030-2503	N1030 2503	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Yellow			
608-N1030-2508	N1030 2508	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Red			
608-N1030A	N1030A	E	15/32-32NS-2B	0.219	0.875	0.625	0.660	Stainless-Steel			
608-N1030B	N1030B	F	15/32-32NS-2B	0.078	0.437	0.625	-	Gray			
608-N5030	N5030	D	1/4-40NS-2B	0.104	0.422	0.375	0.310	Gray			
608-N5030L	N5030L	D	1/4-40NS-2B	0.062	0.500	0.375	0.370	Gray			
608-N5032B	N5032B	F	1/4-40NS-2B	0.047	0.250	0.375	-	Gray			
608-C1131/28	C1131/28	D	15/32-32NS-2B	0.219	0.937	0.625	0.710	Black			
608-1131/26	1131/26	D	15/32-32NS-2B	0.219	1.093	0.625	0.900	Gray			
608-50154	50154	D	15/32-32NS-2B	0.280	1.094	0.625	1.094	Gray			
608-N5030S	N5030S	D	1/4-40NS-2B	0.062	0.594	0.375	0.500	Gray			
608-IN1030-RFI	IN1030 RFI	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray			
608-IN1030RFI/232	IN1030 RFI 1/2-32	D	1/2-32NS-2B	0.219	0.844	0.625	0.660	Gray			
608-N5030L-RFI	N5030L RFI	D	1/4-40NS-2B	0.062	0.500	0.375	0.360	Gray			
608-N5030S-RFI	N5030S RFI	D	1/4-40NS-2B	0.062	0.594	0.375	0.500	Gray			

APM HEXSEAL ROCKER SWITCH BOOTS

- High tear strength, transparent silicone rubber
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Does not compromise switch operability, position status viewing, or legend visibility
- Meets MIL-B-5423



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Dimensions: in.					Color	Price Each		
			A	B	C	D	E		1	25	50
608-C1113/66	C1113/66	G	0.228	0.348	0.531	0.750	0.531	Clear			
608-C1113/80	C1113/80	G	0.560	0.750	1.375	1.750	0.900	Clear			

APM HEXSEAL ROTARY SHAFT SEALS

- For standard rotary switch/potentiometer shafts
- Seals boot shaft and panel cutout
- RFI suffix are EMI shielded
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Meets MIL-B-5423



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions: in.			Color	Price Each		
				Shaft Dia.	A	B		1	25	50
608-N9030-X-1/4	N9030 X 1/4	H	3/8-32NS-2B	.250	0.219	0.500	Gray			
608-N9040-X-1/8	N9040 X 1/8	H	1/4-32NEF-2B	.125	0.219	0.375	Gray			
608-N9030-X-1/4-RFI	N9030 X 1/4 RFI	H	3/8-32NS-2B	.250	0.219	0.500	Gray			
608-N9040-X-1/8-RFI	N9040 X 1/8 RFI	H	1/4-32NEF-2B	.125	0.219	0.375	Gray			

APM HEXSEAL SEALED-SWITCH PANEL BUSHING SEAL

- Seals panel cutout through which the switch bushing passes
- Meets MIL-B-5423



MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Shaft Bushing	Dimensions: in.		Price Each		
				Washer Dia.	Thickness	1	25	50
608-60064	60064	I	15/32-32	.677	0.120			

APM HEXSEAL SEALING BOOTS FOR LEVER-ACTUATED CIRCUIT BREAKERS

- High tear strength, transparent silicone rubber
- Does not compromise breaker operation or position status viewing
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Mounting hardware provided
- Meets MIL-B-5423



MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Poles	Dimensions: in.					Carling	Tyco/P&B	Price Each		
				H	L1	L2	W1	W2			1	25	50
Front-Panel Mounted													
608-CT1015	CT1015	J	1	0.875	1.875	2.625	1.375	0.875	CA1/DA1	W91			
608-CT1020	CT1020	J	2	0.875	1.875	2.656	2.219	1.594	CA2/DA2	W92			
608-CT1050	CT1050	J	3	0.875	1.875	2.656	2.656	2.344	CA3/DA3	W93			
Back-of-Panel Mounted													
608-C1113/40	C1113/40	K	1	0.813	1.813	2.00	0.75	0.656	BA1	W67/W68/W69			
608-C1113/42	C1113/42	K	2	0.813	1.813	2.00	1.50	1.406	BA2	W68/W69			
608-C1113/43	C1113/43	K	3	0.813	1.813	2.00	2.25	2.156	BA3	W69			

APM Hexseal
Switch Seals

OMRON G6Y SERIES: 900MHZ SPDT HIGH-FREQUENCY RELAYS

Specifications:

- Insertion loss: 0.5dB max. @ 900MHz
- Max. carry power: 10W
- Power consumption: 200mW
- Contact rating: .5A

Features:

- Ideal for cable TV, HDTV, cellular, satellite communications, VCRs
- Fully sealed construction
- Form, fit, and function replacement to G5Y relay with improved characteristics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
653-G6Y-1-DC5	G6Y-1-DC5	A1	40.0	125	5				
653-G6Y-1-DC9	G6Y-1-DC9	A1	22.2	405	9				
653-G6Y-1-DC12	G6Y-1-DC12	A1	16.7	720	12				
653-G6Y-1-DC24	G6Y-1-DC24	A1	8.3	2880	24				

OMRON G6K-RF SERIES: DPDT COMPACT HIGH-FREQUENCY RELAYS

Specifications:

- Insertion loss: 0.2dB max. @ 1GHz
0.6dB max. @ 3GHz
- Max. transmission capacity: 3W
- Rated power consumption: 100mW

Features:

- Ideal for instrumentation and high-speed LAN network equipment
- Gull-wing surface mount terminals
- Handles 1A, 30VDC and 1W @ 1GHz high frequency load



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Ground Terminal Footprint (mm)	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	10	25	50
Non-Latching with Standard Ground Terminals, 1GHz										
653-G6K-2F-RF-DC3	G6K-2F-RF-DC3	B2	12.8	33.0	91	3				
653-G6K-2F-RF-DC4.5	G6K-2F-RF-DC4.5	B2	12.8	23.2	194	4.5				
653-G6K-2F-RF-DC5	G6K-2F-RF-DC5	B2	12.8	21.1	237	5				
653-G6K-2F-RFDC6	G6K-2F-RF DC6	B2	12.8	17.6	341	6				
653-G6K-2F-RF-DC12	G6K-2F-RF-DC12	B2	12.8	9.1	1315	12				
Non-Latching with Space-Saving Ground Terminals, 1GHz										
653-G6K2FRFSDC3	G6K-2F-RF-S-DC3	B2	10.7	33.0	91	3				
653-G6K2FRFSD4.5	G6K-2F-RF-S-DC4.5	B2	10.7	23.2	194	4.5				
653-G6K2FRFSDC5	G6K-2F-RF-S-DC5	B2	10.7	21.1	237	5				
653-G6K2FRFSDC12	G6K-2F-RF-S-DC12	B2	10.7	9.1	1315	12				
653-G6K2FRFSDC24	G6K-2F-RF-S-DC24	B2	10.7	4.6	5220	24				
Non-Latching with Space-Saving Ground Terminals, 3GHz										
653-G6K-2F-RF-TDC3	G6K-2F-RF-T DC3	B2	10.7	33.0	91	3				
653-G6K-2F-RF-TDC4.5	G6K-2F-RF-T DC4.5	B2	10.7	23.2	194	4.5				
653-G6K-2F-RF-TDC5	G6K-2F-RF-T DC5	B2	10.7	21.1	237	5				
653-G6K-2F-RF-TDC12	G6K-2F-RF-T DC12	B2	10.7	9.1	1315	12				

OMRON G6Z SERIES: 2.6GHZ SPDT HIGH-FREQUENCY RELAYS

Specifications:

- Insertion loss: 50Ω - 0.3dB @ 2.6GHz;
75Ω - 0.5dB @ 2.6GHz
- Power consumption: 200mW
- Rated carry current: 0.5A
- Isolation: E-shape 30dB min. @ 2.6GHz
Y-shape 40dB min. @ 2.6GHz
- Terminals: G6Z-1F Surface mount
G6Z-1P PCB through-hole

Features:

- Non-latching
- Fully sealed construction
- Triplate micro stripline technology assures superior high-frequency characteristics

Packaged in tubes of 25 pcs.
Also available on tape and reel.
Contact Mouser for these options.

* Reverse contact arrangement

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
E-Shape Terminals, 50Ω Impedance										
653-G6Z-1FE-A-DC3	G6Z-1FE-A-DC3	C3	66.7	45	3					
653-G6Z-1FE-A-DC4.5	G6Z-1FE-A-DC4.5	C3	44.4	101	4.5					
653-G6Z-1FE-A-DC5	G6Z-1FE-A-DC5	C3	40.0	125	5					
* 653-G6Z1FEARDC5BYOMZ	G6Z-1FE-AR-DC5	C3	40.0	125	5					
653-G6Z-1FE-A-DC12	G6Z-1FE-A-DC12	C3	16.7	720	12					
653-G6Z-1PE-ADC5	G6Z-1PE-A DC5	D1	40.0	125	5					
653-G6Z-1PE-A-DC12	G6Z-1PE-A-DC12	D1	16.7	720	12					
E-Shape Terminals, 75Ω Impedance										
653-G6Z-1FE-DC5	G6Z-1FE-DC5	C3	40.0	125	5					
653-G6Z-1FE-DC24	G6Z-1FE-DC24	C3	8.3	2880	24					
653-G6Z-1PE-DC5	G6Z-1PE-DC5	D1	40.0	125	5					
653-G6Z-1PE-DC12	G6Z-1PE-DC12	D1	16.7	720	12					
653-G6Z-1PE-DC24	G6Z-1PE-DC24	D1	8.3	2880	24					
Y-Shape Terminals, 50Ω Impedance										
653-G6Z-1F-A-DC4.5	G6Z-1F-A-DC4.5	C4	44.4	101	4.5					
653-G6Z-1F-A-DC5	G6Z-1F-A-DC5	C4	40.0	125	5					
653-G6Z-1F-A-DC9	G6Z-1F-A-DC9	C4	22.2	405	9					
653-G6Z-1F-A-DC12	G6Z-1F-A-DC12	C4	16.7	720	12					
653-G6Z-1F-A-DC24	G6Z-1F-A-DC24	C4	8.3	2880	24					
653-G6Z-1P-ADC9	G6Z-1P-A DC9	D5	22.2	405	9					
Y-Shape Terminals, 75Ω Impedance										
653-G6Z-1F-DC5	G6Z-1F-DC5	C4	40.0	125	5					
653-G6Z-1F-DC12	G6Z-1F-DC12	C4	16.7	720	12					
653-G6Z-1P-DC3	G6Z-1P-DC3	D5	66.7	45	3					
653-G6Z-1P-DC4.5	G6Z-1P-DC4.5	D5	44.4	101	4.5					
653-G6Z-1P-DC12	G6Z-1P-DC12	D5	16.7	720	12					

Meet the growing demand for wireless communication with Omron's new RF relays. The G6K-RF, G6Z, G6Y, and G6W are the smallest relays of their type on the market!

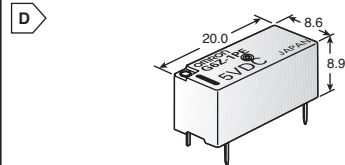
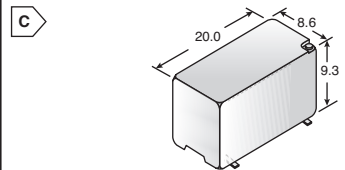
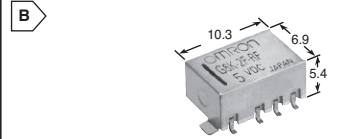
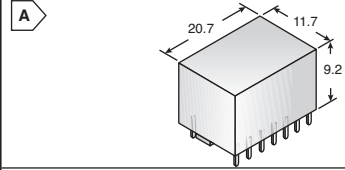
Features:

- Low power consumption
- Good isolation characteristics

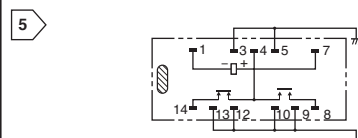
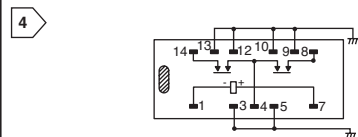
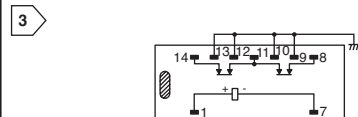
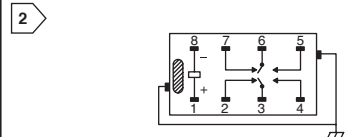
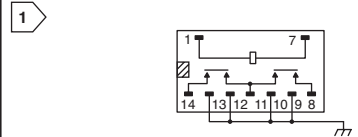
Applications:

- Wireless infrastructure equipment
- Filter and duplex switching
- Antenna switching
- Amplifiers

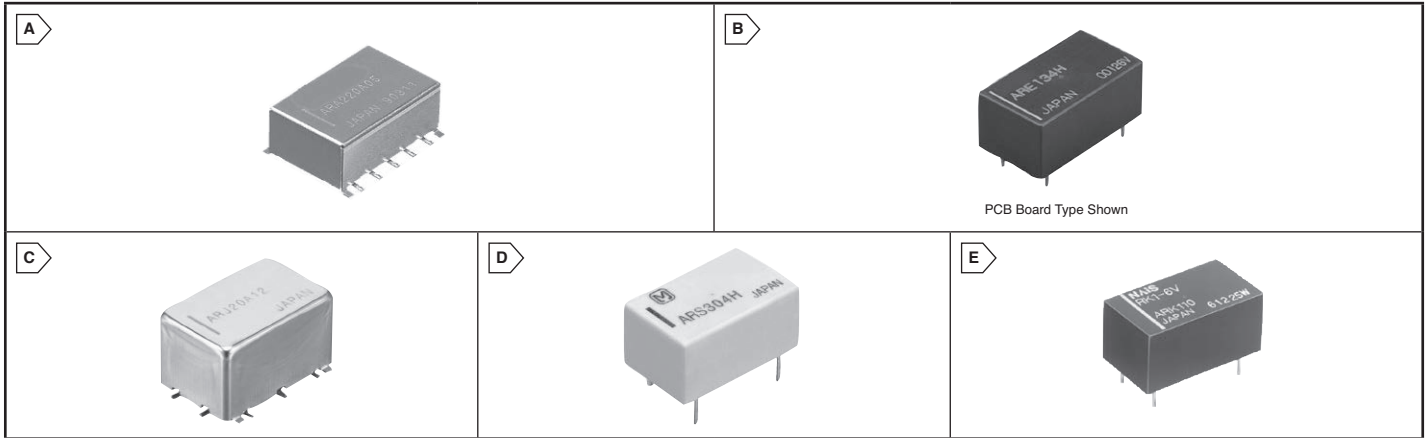
DIMENSIONS: mm



TERMINAL ARRANGEMENT



RoHS Compliant This product is RoHS compliant.



Panasonic high frequency relays and coaxial switches are RoHS compliant and specifically designed for instrumentation, test & measurement, wireless communications, and cable TV/satellite equipment markets.

ARA SERIES

- Impedance: 50Ω, 1.0GHz
- Surface mount terminal
- Low Profile
- Nominal operating power: 140mW
- High contact reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig	Frequency (GHz)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ARA200A03	ARA200A03	A	1	3	2 Form C	SMD				
769-ARA200A05	ARA200A05	A	1	5	2 Form C	SMD				
769-ARA200A12	ARA200A12	A	1	12	2 Form C	SMD				
769-ARA200A4H	ARA200A4H	A	1	4.5	2 Form C	SMD				
769-ARA220A05	ARA220A05	A	1	5	2 Form C	SMD				
769-ARA210A12	ARA210A12	A	1	12	2 Form C	SMD				

ARE SERIES

- Compact and slim size
- High Frequency Characteristics: to 2.6GHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig	Frequency (GHz)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ARE104H	ARE104H	B	2.6	4.5	1 Form C	PCB				
769-ARE1312	ARE1312	B	2.6	12	1 Form C	PCB				
769-ARE134H	ARE134H	B	2.6	4.5	1 Form C	PCB				
769-ARE10A12	ARE10A12	B	2.6	12	1 Form C	SMD				
769-ARE13A12	ARE13A12	B	2.6	12	1 Form C	SMD				
769-ARE13A4H	ARE13A4H	B	2.6	4.5	1 Form C	SMD				
769-ARE1303	ARE1303	B	2.6	3	1 Form C	PCB				

ARJ SERIES

- High Frequency Characteristics: 50Ω, at 5GHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig	Frequency (GHz)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ARJ20A12	ARJ20A12	C	8	12	2 Form C	SMD				
769-ARJ20A4H	ARJ20A4H	C	8	4.5	2 Form C	SMD				
769-ARJ22A12	ARJ22A12	C	8	12	2 Form C	SMD				
769-ARJ22A4H	ARJ22A4H	C	8	4.5	2 Form C	SMD				

ARS SERIES

- Miniature design
- High Frequency Characteristics: to 3GHz
- Impedance: 75Ω

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig	Frequency (GHz)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ARS1012	ARS1012	D	3	12	1 Form C	PCB				
769-ARS1024	ARS1024	D	3	24	1 Form C	PCB				
769-ARS104H	ARS104H	D	3	4.5	1 Form C	PCB				
769-ARS1112	ARS1112	D	3	12	1 Form C	PCB				
769-ARS1124	ARS1124	D	3	24	1 Form C	PCB				
769-ARS114H	ARS114H	D	3	4.5	1 Form C	PCB				
769-ARS1212	ARS1212	D	3	12	1 Form C	PCB				
769-ARS1224	ARS1224	D	3	24	1 Form C	PCB				
769-ARS124H	ARS124H	D	3	4.5	1 Form C	PCB				
769-ARS1312	ARS1312	D	3	12	1 Form C	PCB				
769-ARS1324	ARS1324	D	3	24	1 Form C	PCB				
769-ARS134H	ARS134H	D	3	4.5	1 Form C	PCB				
769-ARS1412	ARS1412	D	3	12	1 Form C	PCB				

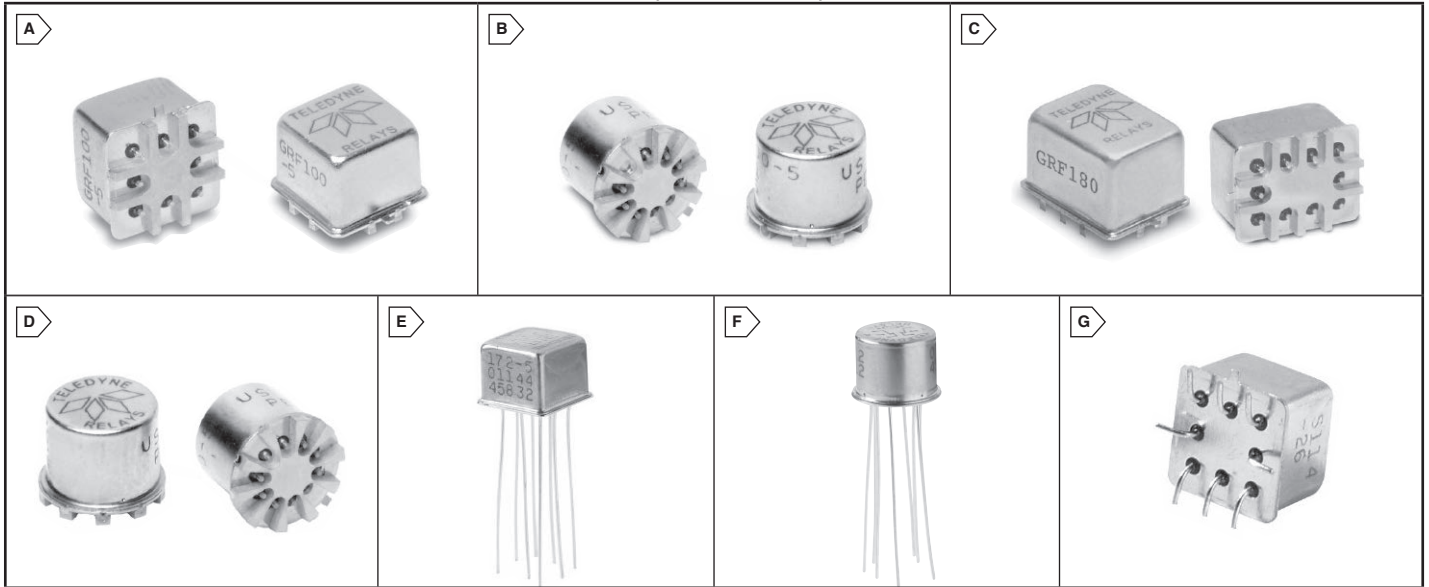
RK & RP SERIES

- Excellent High Frequency characteristics
- Also available in Latching versions
- High sensitivity in small size
- Sealed construction

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig	Frequency (GHz)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-RK1-12V	RK1-12V	E	1.5	12	1 Form C	PCB				
769-RK1-24V	RK1-24V	E	1.5	24	1 Form C	PCB				
769-RK1-5V	RK1-5V	E	1.5	5	1 Form C	PCB				
769-RK1-6V	RK1-6V	E	1.5	6	1 Form C	PCB				
769-RK1-L2-12V	RK1-L2-12V	E	1.5	12	1 Form C	PCB				

RoHS Compliant This product is RoHS compliant.



GRF SERIES SURFACE MOUNT RF RELAYS

GRF100/103 Series

Features:

- GRF100/103 Series surface mount RF relays are designed to provide excellent RF signal repeatability.
- Repeatability = ±0.1dB
- High sensitivity

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF100-5	GRF100-5	A	5V	DC-6GHz	0.10W		
881-GRF100-12	GRF100-12	A	12V	DC-6GHz	0.10W		
* 881-GRF103-5	GRF103-5	A	5V	DC-6GHz	0.10W		
* 881-GRF103-12	GRF103-12	A	12V	DC-6GHz	0.10W		

GRF172 Series

Features:

- GRF172 Series surface mount RF relays are designed to provide excellent RF signal repeatability.

† With internal diode

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF172-5	GRF172-5	A	5V	DC-6GHz	0.15W		
881-GRF172-12	GRF172-12	A	12V	DC-6GHz	0.15W		
† 881-GRF172D-5	GRF172D-5	A	5V	DC-6GHz	0.15W		
† 881-GRF172D-12	GRF172D-12	A	12V	DC-6GHz	0.15W		

GRF300/303 Series

Features:

- GRF300/303 Series surface mount RF relays are designed to provide excellent RF signal repeatability.
- Repeatability = ±0.1dB
- High sensitivity

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF300-5	GRF300-5	B	5V	DC-6GHz	0.10W		
881-GRF300-12	GRF300-12	B	12V	DC-6GHz	0.10W		
* 881-GRF303-5	GRF303-5	B	5V	DC-6GHz	0.10W		

GRF312 Series

Features:

- The ultraminiature GRF312 relay is designed to improve upon the GRF300/GRF303 relays' high frequency performance.
- High Repeatability
- DPDT

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF312-5	GRF312-5	B	5V	DC-8GHz	0.15W		
881-GRF312-12	GRF312-12	B	12V	DC-8GHz	0.15W		

GRF SERIES HIGH ISOLATION LATCHING RELAYS

GRF180 Series

Features:

- GRF180 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 36dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF180-5	GRF180-5	C	5V	DC-6GHz	0.15W		
881-GRF180-12	GRF180-12	C	12V	DC-6GHz	0.15W		

GRF342 Series

Features:

- GRF342 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 36dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-GRF342-5	GRF342-5	D	5V	DC-6GHz	0.15W		
881-GRF342-12	GRF342-12	D	12V	DC-6GHz	0.15W		

DPDT GENERAL PURPOSE CENTIGRID AND TO-5 RELAYS

Features:

- Hermetically sealed
- Surface mount (S172 Series)
- Gold-plated contacts
- Dry circuit to 1A, 28VDC
- Superb RF performance, DC to 1GHz

RoHS Compliant

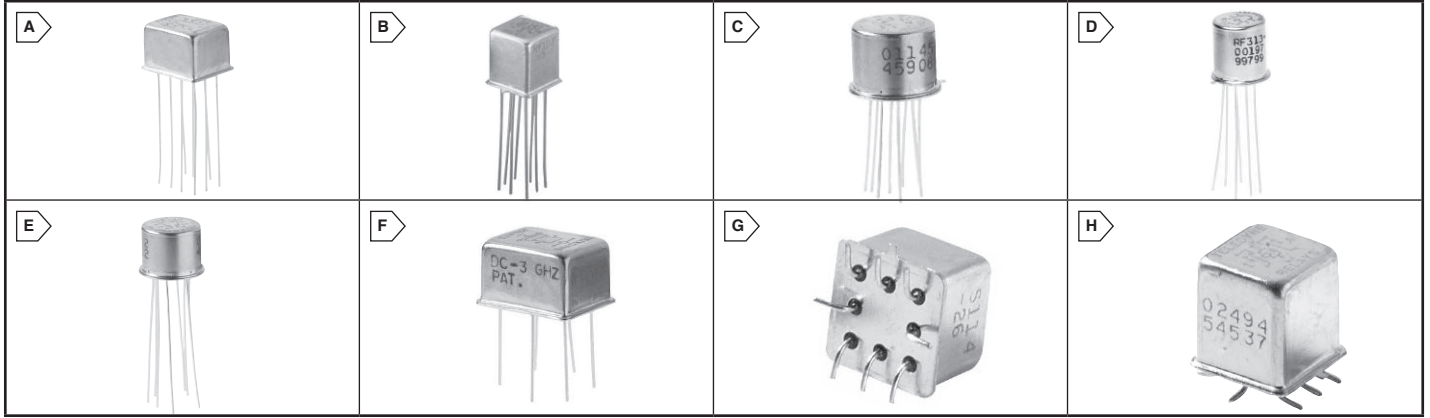
*With internal transistor driver

† With internal diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Freq.	Coil Res. (Ω)	Price Each	
						1	25
881-172-12	172-12	E	12V	DC-1GHz	0.15W		
881-172-26	172-26	E	26V	DC-1GHz	0.15W		
881-172-5	172-5	E	5V	DC-1GHz	0.15W		
† 881-172D-12	172D-12	E	12V	DC-1GHz	0.15W		
† 881-172D-26	172D-26	E	26V	DC-1GHz	0.15W		
881-172D-5	172D-5	E	5V	DC-1GHz	0.15W		
† 881-172DM4-12	172DM4-12	E	12V	DC-1GHz	0.15W		
† 881-172DM4-26	172DM4-26	E	26V	DC-1GHz	0.15W		
881-172M4-5	172M4-5	E	5V	DC-1GHz	0.15W		
881-712-12	712-12	F	12V	DC-1GHz	0.15W		
881-712-26	712-26	F	26V	DC-1GHz	0.15W		
881-712-5	712-5	F	5V	DC-1GHz	0.15W		
† 881-712D-12	712D-12	F	12V	DC-1GHz	0.15W		
† 881-712D-26	712D-26	F	26V	DC-1GHz	0.15W		
881-712D-5	712D-5	F	5V	DC-1GHz	0.15W		
† 881-712DY-12	712DY-12	F	12V	DC-1GHz	0.15W		
* † 881-712TN-5	712TN-5	F	5V	DC-1GHz	0.15W		
Magnetic Latching							
881-722-12	722-12	F	12V	DC-1GHz	0.15W		
881-722-26	722-26	F	26V	DC-1GHz	0.15W		
881-722-5	722-5	F	5V	DC-1GHz	0.15W		
High Sensitivity							
881-732-12	732-12	F	12V	DC-1GHz	0.15W		
881-732-5	732-5	F	5V	DC-1GHz	0.15W		
† 881-732D-12	732D-12	F	12V	DC-1GHz	0.15W		
† 881-732D-5	732D-5	F	5V	DC-1GHz	0.15W		
* † 881-732TN-5	732TN-5	F	5V	DC-1GHz	0.15W		
* † 881-732TN-12	732TN-12	F	12V	DC-1GHz	0.15W		
Surface Mount							
881-S172-12	S172-12	G	12V	DC-1GHz	0.15W		
881-S172-5	S172-5	G	5V	DC-1GHz	0.15W		
† 881-S172D-12	S172D-12	G	12V	DC-1GHz	0.15W		
† 881-S172D-26	S172D-26	G	26V	DC-1GHz	0.15W		
† 881-S172D-5	S172D-5	G	5V	DC-1GHz	0.15W		

RoHS Compliant This product is RoHS compliant.



RF180 SERIES HIGH ISOLATION LATCHING RELAYS

Features:

- RF180 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 30dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
881-RF180-5	RF180-5	A	5V	DC-6GHz	0.15		
881-RF180-12	RF180-12	A	12V	DC-6GHz	0.15		
881-RF180-26	RF180-26	A	26V	DC-6GHz	0.15		

RF100/103 SERIES HIGH REPEATABILITY CENTIGRID® RELAYS

Features:

- RF100/103 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
881-RF100-5	RF100-5	B	5V	DC-4GHz	0.10		
* 881-RF103-12	RF103-12	B	12V	DC-4GHz	0.10		
* 881-RF103-5	RF103-5	B	5V	DC-4GHz	0.10		

RF300/303 SERIES HIGH REPEATABILITY TO-5 RELAYS

Features:

- RF300/303 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
881-RF300-12	RF300-12	C	12V	DC-3GHz	0.15		
881-RF300-5	RF300-5	C	5V	DC-3GHz	0.15		
* 881-RF303-12	RF303-12	C	12V	DC-3GHz	0.15		
* 881-RF303-5	RF303-5	C	5V	DC-3GHz	0.15		

RF311 SERIES HIGH REPEATABILITY, TO-5 RELAY

Features:

- The ultraminiature RF311 and RF331 relays are designed to provide improved RF signal repeatability over the frequency range
- SPDT

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
881-RF311-5/G	RF311-5/G	B	5V	DC-8GHz	0.15		
881-RF311-12/G	RF311-12/G	B	12V	DC-8GHz	0.15		
881-RF311-26/G	RF311-26/G	B	26.5V	DC-8GHz	0.15		

RF312 SERIES HIGH REPEATABILITY 12GBPS SIGNAL INTEGRITY TO-5 RELAY

Features:

- The RF312 offers monotonic insertion loss to 8GHz.
- DPDT

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
881-RF312-5/G	RF312-5/G	C	5V	DC-8GHz	0.15		
881-RF312-12/G	RF312-12/G	C	12V	DC-8GHz	0.15		

RF313 SERIES HIGH REPEATABILITY, NORMALLY CLOSED BYPASS RF RELAYS

Features:

- RF313 Series normally closed high repeatability broadband relays are designed with an internal bypass to provide low insertion loss and VSWR through the bypass.

RoHS Compliant
* High Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Contact Res.	Price Each	
						1	25
* 881-RF313-12	RF313-12	D	12V	DC-3GHz	0.15		
* 881-RF313-5	RF313-5	D	5V	DC-3GHz	0.15		

412H/422H SERIES HI-TEMPERATURE, HI-PERFORMANCE TO-5 RELAY

Features:

- 412H/422H Series DPDT high-performance, high-temperature relays are designed for reliable operation in elevated ambient temperatures up to 200°C.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-412H-12	412H-12	E	12V	DC-1GHz	390		
881-412H-26	412H-26	E	26V	DC-1GHz	1560		
881-412H-5	412H-5	E	5V	DC-1GHz	50		
881-422H-12	422H-12	E	12V	DC-1GHz	500		
881-422H-26	422H-26	E	26V	DC-1GHz	2000		

A150 SERIES ULTRAMINIATURE BROADBAND ATTENUATOR RELAY

Features:

- A150 Series ultraminiature attenuator relays are designed for attenuating RF signals in 50-ohm systems over a frequency range from DC-3GHz.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-A150-20-5	A150-20-5	F	5V	DC-3GHz	50		

A152 SERIES ULTRAMINIATURE ATTENUATOR RELAY

Features:

- The Series A152 highly repeatable ultraminiature attenuator relays are designed for attenuating RF signals in 50-ohm systems over a frequency range from DC to 5GHz.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Price Each	
				1	25
881-A152-5-26/G	A152-5-26/G	F	5		
881-A152-10-26/G	A152-10-26/G	F	10V		
881-A152-20-26/G	A152-20-26/G	F	20V		

S114 SERIES DPDT CENTIGRID® SMT RF RELAYS

Features:

- All welded construction
- High force/mass ratios
- With internal diode
- With internal diode and polarity reversal protection

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-S114-26	S114-26	G	26.5 V	1560	-----		
881-S114-5	S114-5	G	5 V	50	-----		
* 881-S114D-12	S114D-12	G	12 V	390	-----		
* 881-S114D-26	S114D-26	G	26.5 V	1560	-----		
* 881-S114D-5	S114D-5	G	5 V	50	-----		
† 881-S114DD-5	S114DD-5	G	5 V	39	93.2-128-2 mAdc		

S134 SERIES DPDT SENSITIVE CENTIGRID® SMT RF RELAYS

Features:

- All welded construction
- High force/mass ratios
- With internal diode

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
* 881-S134D-12	S134D-12	H	12 V	800	-----		
* 881-S134D-26	S134D-26	H	26.5 V	3200	-----		
* 881-S134D-5	S134D-5	H	5 V	100	-----		

Teledyne Frequency Relays

TELEDYNE RF, General Purpose Centigrad & TO-5 Relays

SERIES 114 DPDT CENTRIGRID® RF RELAYS

RoHS Compliant This product is RoHS compliant.

- Features:**
- All welded construction
 - High force/mass ratios
 - ◆ With internal diode
 - * M4 pad included
 - † With internal diode and polarity reversal protection

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
T[†]R® Established Reliability								
881-ER114-26A	ER114-26A	A	26.5V	1560	-----	A		
◆ 881-ER114D-5A	ER114D-5A	A	5V	50	-----	A		
Military Qualified								
881-J114-26PM	J114-26PM	A	26.5V	1560	-----	M		
◆ 881-J114D-26M	J114D-26M	A	26.5V	1560	-----	M		
* † 881-J114DDM4-26L	J114DDM4-26L	A	26.5V	1560	14.8-18.5 mAdc	L		
* † 881-J114DDM4-26M	J114DDM4-26M	A	26.5V	1560	14.8-18.5 mAdc	M		

SERIES 116C DPDT CENTRIGRID® CMOS COMPATIBLE RF RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - Internal MOSFET driver, Zener diode gate protection, & diode coil suppression
 - Military Qualified
 - * M9 pad included

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
881-J116C-5M	J116C-5M	B	5V	-----	132.3-96.5 mAdc	M		
* 881-J116CM9-5M	J116CM9-5M	B	5V	-----	132.3-96.5 mAdc	M		

SERIES 134 DPDT SENSITIVE RF RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - Internal diode
 - Military Qualified
 - * M4 pad included

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
881-J134D-12M	J134D-12M	C	12 V	800	-----	M		
881-J134D-26M	J134D-26M	C	26.5 V	3200	-----	M		
* 881-J134DM4-26M	J134DM4-26M	C	26.5 V	3200	-----	M		
* 881-J134DM4-5M	J134DM4-5M	C	5 V	100	-----	M		

SERIES 136C DPDT CENTRIGRID® SENSITIVE CMOS COMPATIBLE RF RELAY

- Features:**
- All welded construction
 - High force/mass ratios
 - Military Qualified
 - * M9 pad included
 - High Sensitivity

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
* 881-J136CM9-5M	J136CM9-5M	C	5 V	----	56-43 mAdc	M		

SERIES 411 SPDT TO-5 RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - †† With internal transistor driver and coil transient suppression diode

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
881-J411-26WL	J411-26WL	D	26.5 V	2000	-----	L		
†† 881-J411T-5M	J411T-5M	D	5 V	63	66.6-89.6 mAdc	M		

SERIES 412 DPDT TO-5 RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - ◆ With internal diode
 - † With internal diode and polarity reversal protection
 - *: With Y ground pin included

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
T[†]R® Established Reliability								
881-ER412-12A	ER412-12A	E	12 V	390	-----	A		
881-ER412-26A	ER412-26A	E	26.5 V	1560	-----	A		
881-ER412-5A	ER412-5A	E	5 V	50	-----	A		
*: 881-ER412YM-26A/SQ	ER412YM-26A/SQ	E	26.5 V	1560	-----	A		
Military Qualified								
881-J412-26L	J412-26L	E	26.5 V	1560	-----	L		
881-J412-26M	J412-26M	E	26.5 V	1560	-----	M		
881-J412-26WM	J412-26WM	E	26.5V	1560	-----	M		
◆ 881-J412D-12M	J412D-12M	E	12 V	390	-----	M		
◆ 881-J412D-26M	J412D-26M	E	26.5 V	1560	-----	M		
† 881-J412DD-26M	J412DD-26M	E	26.5V	1560	14.8-18.5 mAdc	M		

SERIES 422 DPDT MAGNETIC-LATCHING TO-5 RELAY

- Features:**
- All welded construction
 - High force/mass ratios
 - T[†]R® Established Reliability
 - † With internal diode and polarity reversal protection

RoHS Compliant

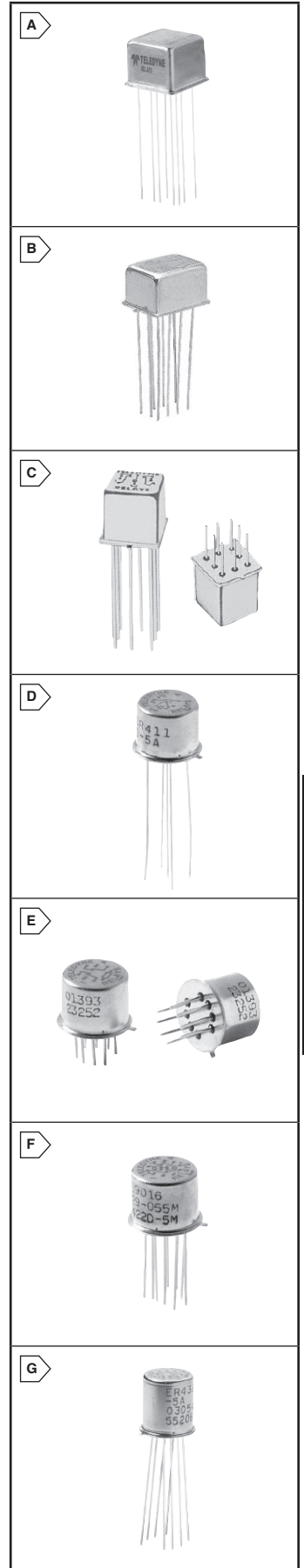
MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
† 881-ER422DD-12A	ER422DD-12A	F	12 V	500	20-25 mAdc	A		

SERIES 432 DPDT SENSITIVE TO-5 RELAYS


- Features:**
- All welded construction
 - High force/mass ratios
 - ◆ With internal diode
 - †† With internal transistor driver and coil transient suppression diode

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
T[†]R® Established Reliability								
881-ER432-12A	ER432-12A	G	12 V	850	-----	A		
881-ER432-26A	ER432-26A	G	26.5 V	3300	-----	A		
◆ 881-ER432D-5A	ER432D-5A	G	5 V	100	-----	A		
Military Qualified								
881-J432-12M	J432-12M	G	12 V	850	-----	M		
†† 881-J432T-5L	J432T-5L	G	5 V	100	43.5-59.3 mAdc	L		



Teledyne Frequency Relays

 This product is RoHS compliant.

CCR SERIES - COMMERCIAL SWITCHES

• Models with indicator contacts, TTL drivers, and other options are available.

CCR-33 SPDT Coaxial Switches

• Operate from DC-18GHz @ 18GHz Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
Failsafe									
881-CCR-33S10	CCR-33S10	A	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	
881-CCR-33S1C	CCR-33S1C	A	28V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	
881-CCR-33S20	CCR-33S20	A	15V Failsafe	DC-18GHz	SPDT	SMA	No	----	
881-CCR-33S30	CCR-33S30	A	12V Failsafe	DC-18GHz	SPDT	SMA	No	----	
881-CCR-33S30-N	CCR-33S30-N	A	12V Failsafe	DC-18GHz	SPDT	SMA	No	Narrow body	
881-CCR-33S3C	CCR-33S3C	A	12V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	
881-CCR-33S3C-N	CCR-33S3C-N	A	12V Failsafe	DC-18GHz	SPDT	SMA	Yes	Narrow body	
Latching									
881-CCR-33S60	CCR-33S60	A	28V Latching	DC-18GHz	SPDT	SMA	No	----	
881-CCR-33S60-N	CCR-33S60-N	A	28V Latching	DC-18GHz	SPDT	SMA	No	Narrow body	
881-CCR-33S80	CCR-33S80	A	12V Latching	DC-18GHz	SPDT	SMA	No	----	
881-CCR-33S8C-T	CCR-33S8C-T	A	12V Latching	DC-18GHz	SPDT	SMA	Yes	TTL driver	

CCR-33M Series SPDT Coaxial Switches

• Operate from DC-3GHz @ 3GHz Isolation = 70dB, Insertion Loss = 0.3dB, VSWR = 1.30:1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCR-33M10	CCR-33M10	A	28V Failsafe	DC-3GHz	SPDT	SMB	No	----	
881-CCR-33M80	CCR-33M80	A	12V Latching	DC-3GHz	SPDT	SMB	No	----	

CCR-38 Series Multi-Throw Coaxial Switches

• Operate from DC-18GHz. @ 18GHz Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCR-38S140	CCR-38S140	B	28V N.O.	DC-18GHz	SP4T	SMA	No	----	
881-CCR-38S160	CCR-38S160	B	28V N.O.	DC-18GHz	SP6T	SMA	No	----	

CCRT-33 Series SPDT Coaxial Switches with Internal Terminations

• Operate from DC-18GHz @ 18GHz Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCRT-33S10	CCRT-33S10	C	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	
881-CCRT-33S60	CCRT-33S60	C	28V Latching	DC-18GHz	SPDT	SMA	No	----	

CCS-37 Series Miniature Transfer Coaxial Switch

• Operate from DC-18GHz @ 18GHz Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

881-CCS-37S2C	CCS-37S2C	D	15V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	
-------------------------------	-----------	---	--------------	----------	------	-----	-----	------	--

CR SERIES - ELITE SWITCHES

• Models with indicator contacts, TTL drivers, and other options are available.

CR-33 Series SPDT Failsafe/Latching Coaxial Switches

• Operate from DC-22GHz and offer an expanded temperature range @22GHz Isolation = 50dB, Insertion Loss = 0.6dB, VSWR = 1.60:1.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CR-33S10	CR-33S10	A	28V Failsafe	DC-22GHz	SPDT	SMA	No	----	
881-CR-33S10-N	CR-33S10-N	A	28V Failsafe	DC-22GHz	SPDT	SMA	No	Narrow body	
881-CR-33S8C	CR-33S8C	A	12V Latching	DC-22GHz	SPDT	SMA	Yes	----	

CR-38 Series Multi-Throw Coaxial Switches

• Operate from DC-22GHz and offer an expanded temperature range @22GHz Isolation = 50dB, Insertion Loss = 0.6dB, VSWR = 1.80:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CR-38S160	CR-38S160	B	28V N.O.	DC-22GHz	SP6T	SMA	No	----	

CS-37 Series Miniature Transfer Coaxial Switch

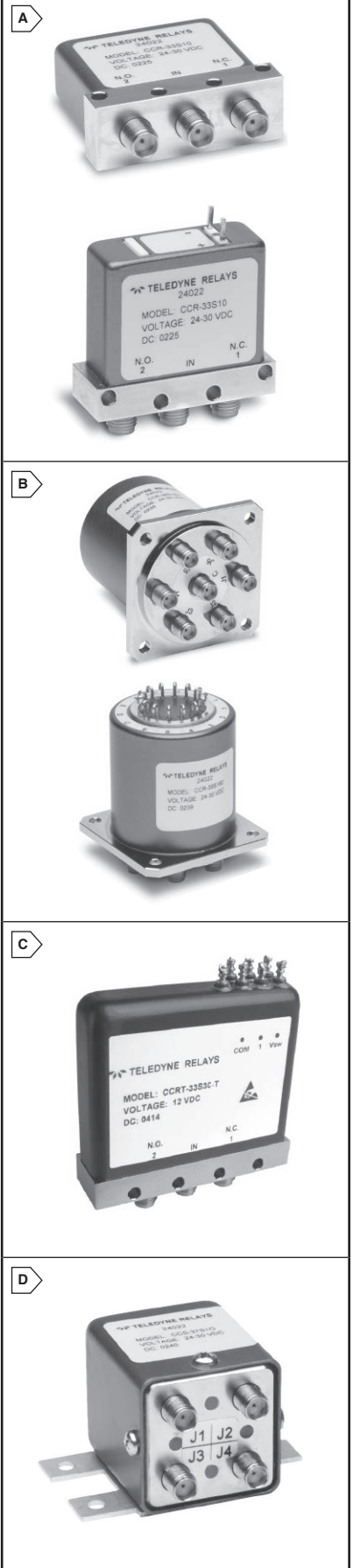
• Operate from DC-18GHz @ 18GHz Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CS-37S10	CS-37S10	D	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	



RoHS Compliant



A SERIES MINIATURE RELAYS

Features:

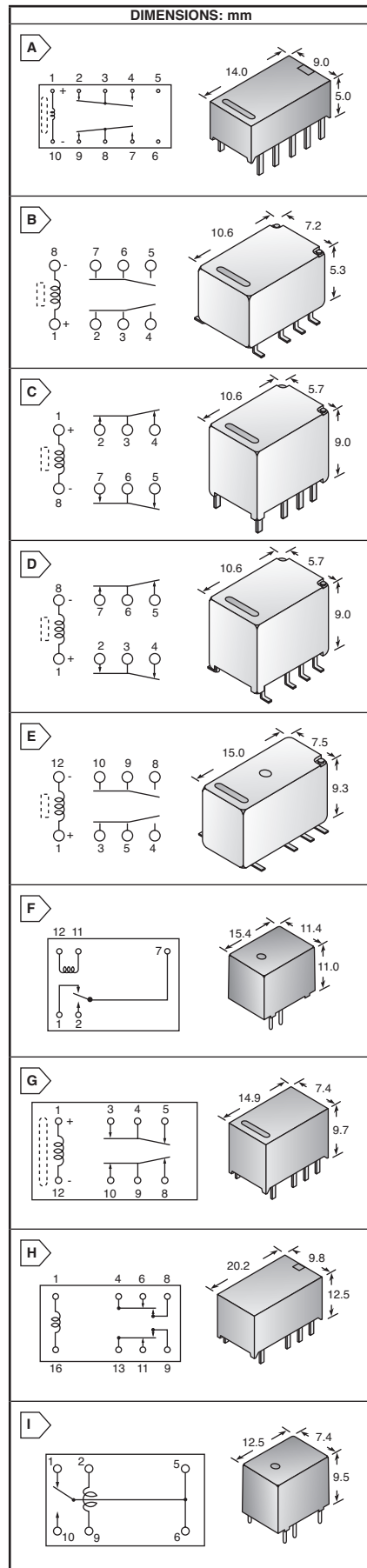
- 2 Poles - 1 to 2A (for signal switching)
- Extremely low profile and light weight
- UL, CSA recognized
- High Reliability - bifurcated contacts
- Plastic Sealed type
- Contact Form: DPDT
- Height: 5mm
- Weight: approx. 1.2g
- Wide Operating range
- DIL through-hole terminals
- Contact Rating: .5A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-A-3W-K	A-3W-K	A	3	64.3Ω	140mW				
817-A-5W-K	A-5W-K	A	5	178Ω	140mW				
817-A-12W-K	A-12W-K	A	12	1,028Ω	140mW				
817-A-24W-K	A-24W-K	A	24	2,880Ω	200mW				
817-A-48W-K	A-48W-K	A	48	7,680Ω	300mW				



FTR-B3 SERIES MINIATURE HORIZONTAL RELAYS

Features:

- 2-Contact 1A (for switching signals)
- Flat Type ultra miniature (SMT)
- Ultra slim and light weight
- High efficiency polar electromagnet structure
- Contact Form: DPDT
- Gold-plated silver alloy bifurcated contacts
- UL, CSA recognized
- Contact Rating: .3A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B3GA003Z	FTR-B3GA003Z	B	Surface Mount	3	64.3Ω	140mW				
817-FTR-B3GA4.5Z	FTR-B3GA4.5Z	B	Surface Mount	4.5	145Ω	140mW				
817-FTR-B3GA012Z	FTR-B3GA012Z	B	Surface Mount	12	1,028Ω	140mW				

FTR-B4 SERIES ULTRA MINIATURE SLIM SIGNAL RELAYS

Features:

- High reliability bifurcated contacts
- Lower power consumption
- 10mm Max. height SMT
- Contact Form: DPDT
- Reduced mounting area
- Weight: Approx. 1.0g
- Conforms Belcore and FCC part 68
- Contact Rating: 1A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B4CA003Z	FTR-B4CA003Z	C	Through-Hole	3	64.3Ω	140mW				
817-FTR-B4GA003Z	FTR-B4GA003Z	D	Surface Mount	3	64.3Ω	140mW				
817-FTR-B4GA012Z	FTR-B4GA012Z	D	Surface Mount	12	1,028Ω	140mW				
817-FTR-B4SA003Z	FTR-B4SA003Z	D	Surface Mount	3	64.3Ω	140mW				
817-FTR-B4SA012Z	FTR-B4SA012Z	D	Surface Mount	12	1,028Ω	140mW				
817-FTR-B4SA4.5Z	FTR-B4SA4.5Z	D	Surface Mount	4.5	145Ω	140mW				

FTR-C1 SERIES ULTRA MINIATURE RELAYS

Features:

- High reliability bifurcated contacts
- Lower power consumption
- Contact Form: DPDT
- Weight: Approx. 1.0g
- Surge Strength: 5000V
- Conforms to IEC 60950 / EN60950 / UL1950 / C22.2
- Contact Rating: 1A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-C1GA003G	FTR-C1GA003G	E	Surface Mount	3	32.1	280mW				
817-FTR-C1GA4.5G	FTR-C1GA4.5G	E	Surface Mount	4.5	72.3	280mW				
817-FTR-C1GA012G	FTR-C1GA012G	E	Surface Mount	12	514	280mW				

MZ SERIES MINIATURE RELAYS

Features:

- 1 Pole - 1 to 2A (for signal switching)
- Subminiature size
- Standard and high sensitivity types available
- DIL through-hole terminals
- Contact Form: SPDT
- Plastic sealed type
- High reliability bifurcated contacts
- UL, CSA recognized
- Contact Rating: .5A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-MZ-5HS-K	MZ-5HS-K	F	5	120Ω	200mW				
817-MZ-12HS-K	MZ-12HS-K	F	12	700Ω	200mW				
817-MZ-24HS-K	MZ-24HS-K	F	24	2,800Ω	200mW				

NA SERIES MINIATURE RELAYS

Features:

- 2 Poles - 1 to 2A (for signal switching)
- Slim type relay for high density mounting
- High sensitivity and low consumption power
- Maximum switching capacity - 4.2A 700VAC
- Contact Form: DPDT
- High reliability - bifurcated contacts
- DIL through-hole terminals
- Plastic sealed type
- Contact Rating: .5A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-NA-3W-K	NA-3W-K	G	3	64.3Ω	140mW				
817-NA-5W-K	NA-5W-K	G	5	178Ω	140mW				
817-NA-12W-K	NA-12W-K	G	12	1,028Ω	140mW				

RY SERIES MINIATURE RELAYS

Features:

- 2 Poles - 1 to 2A (for signal switching)
- Ultra high sensitivity
- Wide operating temperature range
- Contact Form: DPDT
- DIL through-hole terminals
- Plastic sealed type
- UL, CSA recognized



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Contact Rating	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-RY-12W-K	RY-12W-K	H	12	.5A	960Ω	150mW				
817-RY-24W-K	RY-24W-K	H	24	.5A	2,880Ω	200mW				
817-RY-12D-K	RY-12D-K	H	12	.3A	320Ω	450mW				
817-RY-12WFZ-K	RY-12WFZ-K	H	12	.5A	280Ω	510mW				

SY SERIES MINIATURE RELAYS

Features:

- Pole - 1A (for signal switching)
- Very small size and weight
- High sensitivity
- Contact Form: SPDT
- Wide operating temperature range
- DIL through-hole terminals
- Plastic sealed type
- Contact Rating: .5A



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-SY-5W-K	SY-5W-K	I	5	167Ω	150mW				
817-SY-12W-K	SY-12W-K	I	12	960Ω	150mW				
817-SY-6-K	SY-6-K	I	6	240Ω	150mW				
817-SY-9W-K	SY-9W-K	I	9	540Ω	150mW				

OMRON G5V-1 & G5V-13 SERIES: 1A SPDT SMALL LOW SIGNAL RELAYS

Specifications:

- Contact resistance: 100mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: 150mW

Features:

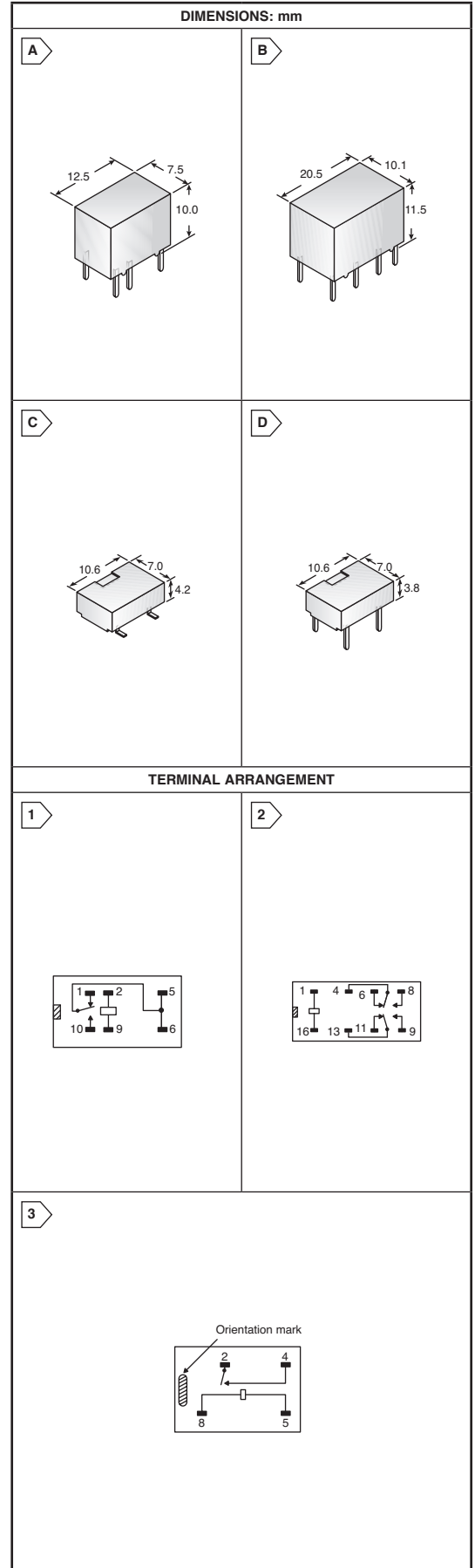
- Ultra-miniature, highly sensitive relay for signal circuits
- High-sensitivity: 150mW nominal power consumption
- Wide switching power of 1mA to 1A
- Conforms to FCC part 68 requirements for coil to contacts
- Fully-sealed construction
- Ideal for use in telecommunications, security, and computer/peripheral equipment



* 2% pickup voltage

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
Single Contact - Minimum Permissible Load DC5V, 1mA									
653-G5V-1-DC3	G5V-1-DC3	A1	50.0	60.0	3				
653-G5V-1-DC5	G5V-1-DC5	A1	30.0	166.7	5				
653-G5V-1-DC6	G5V-1-DC6	A1	25.0	240.0	6				
653-G5V-1-DC9	G5V-1-DC9	A1	16.7	540.0	9				
653-G5V-1-DC12	G5V-1-DC12	A1	12.5	960.0	12				
653-G5V-1-DC24	G5V-1-DC24	A1	6.3	3840.0	24				
* 653-G5V-1-2DC5	G5V-1-2 DC5	A1	30.0	166.7	5				
* 653-G5V-1-2DC9	G5V-1-2 DC9	A1	16.7	540.0	9				
* 653-G5V-1-2DC12	G5V-1-2 DC12	A1	12.5	960.0	12				
Double Contact - Minimum Permissible Load DC100mV, 100uA									
653-G5V-13DC3	G5V-13DC3	A1	50.0	60.0	3				
653-G5V-13DC5	G5V-13DC5	A1	30.0	167.0	5				
653-G5V-13-DC12	G5V-13-DC12	A1	12.5	960.0	12				
653-G5V-13-DC24	G5V-13-DC24	A1	3.25	3840.0	24				



OMRON G5V-2 SERIES: 2A DPDT GENERAL USAGE LOW SIGNAL RELAYS

Specifications:

- Contact resistance: 50mΩ max.
- Power consumption: Standard type 500mW High-sensitivity type 360mW Ultra-sensitive type 150mW

Features:

- Miniature relay for signal circuits
- Suitable for handling low signals in computer peripherals, telecommunications and security equipment
- Capable of switching loads 10uA to 2A
- Conforms to FCC part 68: 1500V surge withstand
- Reliable Ag + Au-clad, bifurcated crossbar contacts
- Fully-sealed construction



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
Standard Type									
653-G5V-2-DC3	G5V-2-DC3	B2	166.70	18.0	3				
653-G5V-2-DC5	G5V-2-DC5	B2	100.00	50.0	5				
653-G5V-2-DC6	G5V-2-DC6	B2	83.30	72.0	6				
653-G5V-2-DC9	G5V-2-DC9	B2	55.60	162.0	9				
653-G5V-2-DC12	G5V-2-DC12	B2	41.70	288.0	12				
653-G5V-2-DC24	G5V-2-DC24	B2	20.80	1152.0	24				
653-G5V-2-DC48	G5V-2-DC48	B2	12.00	4000.0	48				
High-Sensitivity Type									
653-G5V-2-H-DC5	G5V-2-H-DC5	B2	72.00	70.0	5				
653-G5V-2-H-DC9	G5V-2-H-DC9	B2	40.00	225.0	9				
653-G5V-2-H-DC12	G5V-2-H-DC12	B2	30.00	400.0	12				
653-G5V-2-H-DC24	G5V-2-H-DC24	B2	15.00	1600.0	24				
Ultra-Sensitive Type									
653-G5V-2-H1-DC5	G5V-2-H1-DC5	B2	30.00	166.7	5				
653-G5V-2-H1-DC9	G5V-2-H1-DC9	B2	16.70	540.0	9				
653-G5V-2-H1-DC12	G5V-2-H1-DC12	B2	12.50	960.0	12				
653-G5V-2-H1-DC24	G5V-2-H1-DC24	B2	8.30	2880.0	24				
653-G5V-2-H1-DC48	G5V-2-H1-DC48	B2	6.25	7680.0	48				

OMRON G6L SERIES: 1A SPST-NO LOW PROFILE LOW SIGNAL RELAYS

Specifications:

- Contact resistance: 100mΩ max.
- Max. switching current: 1A
- Power consumption: 180mW

Features:

- Extremely thin and flat relay, one of the thinnest relays in the world
- Uses 20% less mounting area and 67% less volume in comparison with the G5V-1 relay
- High dielectric strength: 1000VAC between coil and contacts and 750VAC between contacts of the same polarity
- Conforms to FCC part 68



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
Standard Type									
653-G6L-1F-DC3	G6L-1F-DC3	C3	60.0	50.0	3				
653-G6L-1F-DC4.5	G6L-1F-DC4.5	C3	40.0	112.5	4.5				
653-G6L-1F-DC5	G6L-1F-DC5	C3	36.0	139.0	5				
653-G6L-1F-DC12	G6L-1F-DC12	C3	15.0	800.0	12				
653-G6L-1F-DC24	G6L-1F-DC24	C3	9.6	2504.0	24				
High-Sensitivity Type									
653-G6L-1P-DC3	G6L-1P-DC3	D3	60.0	50.0	3				
653-G6L-1P-DC4.5	G6L-1P-DC4.5	D3	40.0	112.5	4.5				
653-G6L-1P-DC5	G6L-1P-DC5	D3	36.0	139.0	5				
653-G6L-1P-DC12	G6L-1P-DC12	D3	15.0	800.0	12				
653-G6L-1P-DC24	G6L-1P-DC24	D3	9.6	2504.0	24				



This product is RoHS compliant.

OMRON G6A SERIES: 3A DPDT LOW SIGNAL RELAYS

Specifications:

- Contact material: G6A-234P AgPd (Au clad)
G6A-274P Ag (Au clad)
- Max. resistive switching capacity: 125VAC / 20W
- Minimum permissible load: 10µA @ 10mVDC
- BABT approved

Features:

- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Due to low magnetic leakage, units can be mounted side by side.
- Fully sealed construction



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Non-Latching Coil, Rated Load 0.3A @ 125VAC/1A @ 30VDC										
* 653-G6A-234P-DC3	G6A-234P-ST-US-DC3	A1	Standard	66.7	45.0	3				
* 653-G6A-234P-BS-DC5	G6A-234P-BS-DC5	A1	Standard	40.0	125.0	5				
653-G6A-234P-DC5	G6A-234P-ST-US-DC5	A1	Standard	40.0	125.0	5				
653-G6A-234P-DC12	G6A-234P-ST-US-DC12	A1	Standard	16.7	720.0	12				
653-G6A-234P-DC24	G6A-234P-ST-US-DC24	A1	Standard	8.3	2880.0	24				
653-G6A-234P-DC48	G6A-234P-ST-US-DC48	A1	Standard	4.9	9750.0	48				
653-G6A-234P-ST-DC5	G6A-234P-ST15-US-DC5	A1	High-Sensitivity	30.0	167.0	5				
653-G6A-234P-ST40	G6A-234P-ST40-USDC12	A1	Low-Sensitivity	133.3	22.5	12				
Non-Latching Coil, Rated Load 0.5A @ 125VAC/2A @ 30VDC										
653-G6A-274P-DC5	G6A-274P-ST-US-DC5	A1	Standard	40.0	125.0	5				
653-G6A-274P-DC6	G6A-274P-ST-US-DC6	A1	Standard	33.3	180.0	6				
653-G6A-274P-DC12	G6A-274P-ST-US-DC12	A1	Standard	16.7	720.0	12				
653-G6A-274P-DC24	G6A-274P-ST-US-DC24	A1	Standard	8.3	2880.0	24				
653-G6A-274P-DC48	G6A-274P-ST-US-DC48	A1	Standard	4.9	9750.0	48				
653-G6A-274P40-DC5	G6A-274P-ST40-US-DC5	A1	Low-Sensitivity	80.0	62.5	5				
653-G6A-274P40-DC9	G6A-274P-ST40-US-DC9	A1	Low-Sensitivity	44.3	203.0	9				
653-G6A-274P40-DC12	G6A-274P-ST40-US-DC12	A1	Low-Sensitivity	33.3	360.0	12				
653-G6A-274P40-DC24	G6A-274P-ST40-US-DC24	A1	Low-Sensitivity	16.7	1440.0	24				
653-G6A-274P40-DC48	G6A-274P-ST40-US-DC48	A1	Low-Sensitivity	8.3	5760.0	48				
Latching Coil, Rated Load 0.3A @ 125VAC/1A @ 30VDC										
653-G6AK-234P-DC5	G6AK-234P-ST-US-DC5	A2	Standard	36.0	139.0	5				
653-G6AK-234P-DC12	G6AK-234P-ST-US-DC12	A2	Standard	15.0	800.0	12				
653-G6AK-234P-DC24	G6AK-234P-ST-US-DC24	A2	Standard	7.5	3200.0	24				
Latching Coil, Rated Load 0.5A @ 125VAC/2A @ 30VDC										
653-G6AK-274P-DC5	G6AK-274P-ST-US-DC5	A2	Standard	36.0	139.0	5				
653-G6AK-274P-DC12	G6AK-274P-ST-US-DC12	A2	Standard	15.0	800.0	12				
653-G6AK-274P-DC24	G6AK-274P-ST-US-DC24	A2	Standard	7.5	3200.0	24				

DIMENSIONS: mm

A

B

C

D

TERMINAL ARRANGEMENT

1

2

3

OMRON G6K SERIES: 1A DPDT ULTRA-SMALL LOW SIGNAL RELAYS

Specifications:

- Rated load: 0.3A @ 125VA / 1A @ 30VDC
- Contact material: Ag (Au clad)
- Max. resistive switching capacity: 37.5VA / 30W
- Minimum permissible load: 10µA @ 10mVDC
- Tape and reel packaging; Full reel size is 1800

Features:

- Compact fourth generation design offers excellent board space savings.
- "-Y" models meet 2.5kV Beldcore surge requirements.
- Conforms to FCC Part 68



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
SMT Gull-Wing, Non-Latching, 2.5mm Coil-Contact Terminal Spacing										
653-G6K-2FDC3	G6K-2F-DC3	B3	33.0	91	3					
653-G6K-2F-DC4.5	G6K-2F-DC4.5	B3	23.2	194	4.5					
653-G6K-2F-DC5	G6K-2F-DC5	B3	21.1	237	5					
653-G6K-2F-DC12	G6K-2F-DC12	B3	9.1	1315	12					
* 653-G6K-2F-TRDC12	G6K-2F-TRDC12	B3	9.1	1315	12					
653-G6K-2F-DC24	G6K-2F-DC24	B3	4.6	5220	24					
SMT Gull-Wing, Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2F-Y-DC3	G6K-2F-Y-DC3	B3	33.0	91	3					
653-G6K-2F-Y-DC4.5	G6K-2F-Y-DC4.5	B3	23.2	194	4.5					
653-G6K-2F-Y-DC5	G6K-2F-Y-DC5	B3	21.1	237	5					
* 653-G6K-2F-Y-TRDC5	G6K-2F-Y-TRDC5	B3	21.1	237	5					
653-G6K-2F-Y-DC12	G6K-2F-Y-DC12	B3	9.1	1315	12					
* 653-G6K-2F-Y-TRDC12	G6K-2F-Y-TRDC12	B3	9.1	1315	12					
653-G6K-2F-Y-DC24	G6K-2F-Y-DC24	B3	4.6	5220	24					
* 653-G6K-2F-Y-TRDC24	G6K-2F-Y-TRDC24	B3	4.6	5220	24					
SMT Inside "L", Non-Latching, 2.54mm Coil-Contact Terminal Spacing										
653-G6K-2G-DC5	G6K-2G-DC5	C3	21.1	237	5					
* 653-G6K-2G-TRDC5	G6K-2G-TRDC5	C3	21.1	237	5					
653-G6K-2G-DC12	G6K-2G-DC12	C3	9.1	1315	12					
* 653-G6K-2G-TRDC12	G6K-2G-TRDC12	C3	9.1	1315	12					
SMT Inside "L", Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2G-Y-DC3	G6K-2G-Y-DC3	C3	33.0	91	3					
653-G6K-2G-Y-DC4.5	G6K-2G-Y-DC4.5	C3	23.2	194	4.5					
653-G6K-2G-Y-DC5	G6K-2G-Y-DC5	C3	21.1	237	5					
653-G6K-2G-Y-DC12	G6K-2G-Y-DC12	C3	9.1	1315	12					
653-G6K-2G-Y-DC24	G6K-2G-Y-DC24	C3	4.6	5220	24					
PCB Thru-Hole, Non-Latching, 2.5mm Coil-Contact Terminal Spacing										
653-G6K-2P-DC4.5	G6K-2P-DC4.5	D3	23.2	194	4.5					
653-G6K-2P-DC5	G6K-2P-DC5	D3	21.1	237	5					
653-G6K-2P-DC12	G6K-2P-DC12	D3	9.1	1315	12					
653-G6K-2P-DC24	G6K-2P-DC24	D3	4.6	5220	24					
PCB Thru-Hole, Non-Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6K-2P-Y-DC3	G6K-2P-Y-DC3	D3	33.0	91	3					
653-G6K-2P-Y-DC4.5	G6K-2P-Y-DC4.5	D3	23.2	194	4.5					
653-G6K-2P-Y-DC5	G6K-2P-Y-DC5	D3	21.1	237	5					
653-G6K-2P-Y-DC12	G6K-2P-Y-DC12	D3	9.1	1315	12					
653-G6K-2P-Y-DC24	G6K-2P-Y-DC24	D3	4.6	5220	24					
SMT Gull-Wing, Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2F-YDC3	G6KU-2F-YDC3	B3	33.0	91	3					
653-G6KU-2F-Y-DC4.5	G6KU-2F-Y-DC4.5	B3	23.2	194	4.5					
653-G6KU-2F-YDC5	G6KU-2F-YDC5	B3	21.1	237	5					
SMT Inside "L", Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2G-Y-DC5	G6KU-2G-Y-DC5	C3	21.1	237	5					
PCB Thru-Hole, Single Coil Latching, 3.2mm Coil-Contact Terminal Spacing										
653-G6KU-2P-YDC5	G6KU-2P-YDC5	D3	21.1	237	5					

OMRON Low Signal Relays



Products may be RoHS compliant. Check mouser.com for RoHS status.

OMRON G6E SERIES: 3A SPDT LOW SIGNAL RELAYS

Specifications:

- Rated load: 0.40A @ 125VAC / 2A @ 30VDC
- Contact material: Ag (Au clad)
- Contact resistance: 50mΩ max.
- Power consumption: Standard 200mW
Low-sensitivity 400mW
- Terminals: PCB straight
- Standoffs: 0.64mm

Features:

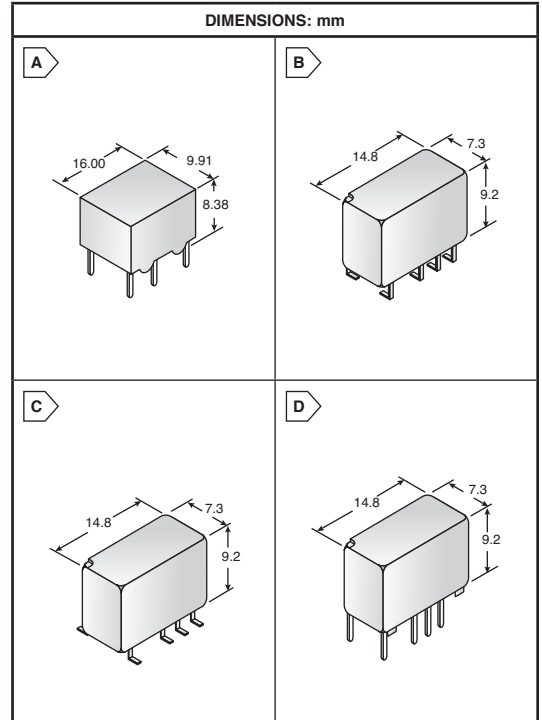
- Subminiature, sensitive signal relays
- High sensitivity with pick-up coil power of 98mW
- Surge withstand voltage meets FCC Part 68 requirements.
- Unique moving loop armature reduces relay size, magnetic interference, and contact bounce time.
- Bifurcated crossbar contact assures high reliability.
- Fully sealed construction



* Standoffs: 0.3mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
Standard									
* 653-G6E-134P-USDC5	G6E-134P-US DC5	A1	40.0	125	5				
Standard, Non-Latching Coil									
653-G6E-134P-STUSDC3	G6E-134P-ST-US-DC3	A1	66.7	45	3				
653-G6E-134P-DC5	G6E-134P-ST-US-DC5	A1	40.0	125	5				
653-G6E134PSTUSDC6	G6E-134P-ST-US-DC6	A1	33.3	180	6				
653-G6E-134P-DC9	G6E-134P-ST-US-DC9	A1	22.2	405	9				
653-G6E-134P-DC12	G6E-134P-ST-US-DC12	A1	16.7	720	12				
653-G6E-134P-DC24	G6E-134P-ST-US-DC24	A1	8.3	2880	24				
Low-Sensitivity, Non-Latching Coil									
653-G6E-134PL-DC5	G6E-134P-L-ST-US-DC5	A1	79.4	63	5				
653-G6E-134PL-DC12	G6E-134P-L-ST-US-DC12	A1	33.3	360	12				
653-G6E-134PL-DC24	G6E-134P-L-ST-US-DC24	A1	16.7	1140	24				
Standard, Latching Single Coil									
653-G6EU134PSTUSDC5	G6EU-134P-ST-US-DC5	A2	40.0	125	5				
653-G6EU134PSTUSDC12	G6EU-134P-ST-US-DC12	A2	16.7	720	12				
Standard, Latching Dual Coil									
653-G6EK-134P-DC5	G6EK-134P-ST-US-DC5	A2	40.0	125	5				
653-G6EK-134P-DC12	G6EK-134P-ST-US-DC12	A2	16.7	720	12				
653-G6EK-134P-DC24	G6EK-134P-ST-US-DC24	A2	8.3	2880	24				



OMRON G6S SERIES: 2A DPDT LOW SIGNAL RELAYS

Specifications:

- Rated load: 0.5A @ 125VAC / 2A @ 30VDC
- Contact material: Ag (Au clad)
- Contact resistance: 75mΩ max.
- Max. carry current: 2A
- Power consumption: G6S (3-12VDC) 140mW / G6S (24VDC) 200mW
G6SU (3-12VDC) 100mW / G6SU (24VDC) 150mW
G6SK (3-12VDC) 200mW / G6SK (24VDC) 300mW
G6S Euro (5-12VDC) 200mW / G6SK (24VDC) 230mW

Features:

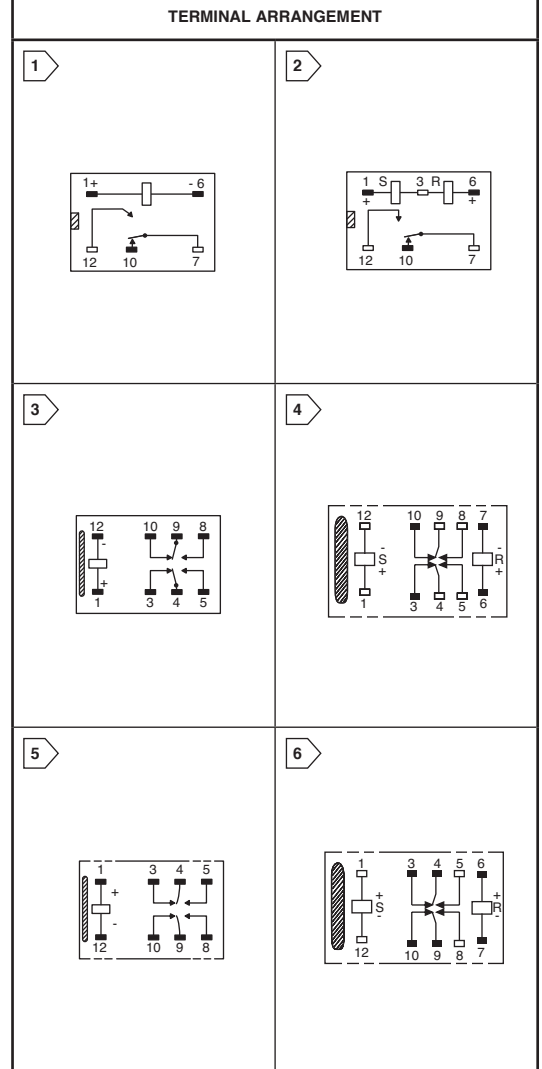
- Design based on worldwide communications, office automation, and computer peripheral relay requirements
- High dielectric withstand voltage of 2000VAC between coil and contacts (standard type); 1500VAC between contacts of different polarity
- Meets FCC Part 68 and Telcordia 2.5KV surge withstand
- European version certified for EN60950/EN41003 Supplementary Insulation at 250V at Pollution Degree 2.
- Low power consumption of 140mW (non-latching)



* Tape and reel packaging; Full reel size is 800

For quantities greater than listed, call for quote.

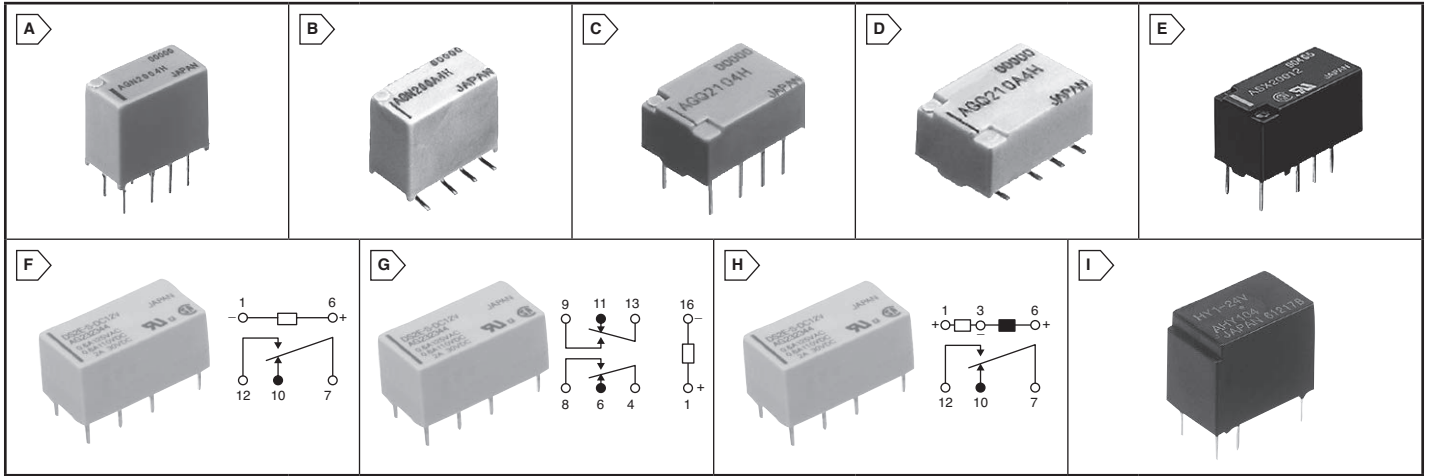
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
SMT Inside "L", Non-Latching									
653-G6S-2G-DC5	G6S-2G-DC5	B3	28.1	178.0	5				
653-G6S-2G-DC12	G6S-2G-DC12	B3	11.7	1028.0	12				
653-G6S-2G-DC24	G6S-2G-DC24	B3	8.3	2880.0	24				
SMT Outside "L", Non-Latching									
653-G6S-2F-DC3	G6S-2F-DC3	C3	46.7	64.3	3				
653-G6S-2F-DC5	G6S-2F-DC5	C3	28.1	178.0	5				
* 653-G6S-2F-TRDC51	G6S-2F-TR DC5	C3	28.1	178.0	5				
653-G6S-2F-DC12	G6S-2F-DC12	C3	11.7	1028.0	12				
* 653-G6S-2F-TRDC122	G6S-2F-TR DC12	C3	11.7	1028.0	12				
653-G6S-2F-DC24	G6S-2F-DC24	C3	8.3	2280.0	24				
SMT Outside "L", Non-Latching, EN60950/EN41003 Approved									
653-G6S-2F-YDC52	G6S-2F-Y DC5	C3	40.0	125.0	5				
653-G6S-2F-YDC121	G6S-2F-Y DC12	C3	16.7	720.0	12				
653-G6S-2F-YDC241	G6S-2F-Y DC24	C3	9.6	2504.0	24				
SMT Outside "L", Single Coil Latching									
* 653-G6SU-2F-TRDC45	G6SU-2F-TR DC4.5	C3	22.2	203.0	4.5				
653-G6SU-2F-DC5	G6SU-2F-DC5	C3	28.1	178.0	5				
SMT Outside "L", Dual Coil Latching									
653-G6SK-2F-DC5	G6SK-2F-DC5	C4	40.0	125.0	5				
653-G6SK-2F-DC12	G6SK-2F-DC12	C4	11.7	1028.0	12				
PCB Thru-Hole, Non-Latching									
653-G6S-2DC32	G6S-2 DC3	D5	46.7	64.3	3				
653-G6S-2-DC4.5	G6S-2-DC4.5	D5	31.0	145.0	4.5				
653-G6S-2-DC5	G6S-2 DC5	D5	28.1	178.0	5				
653-G6S-2DC92	G6S-2 DC9	D5	15.5	579.0	9				
653-G6S-2-DC12A	G6S-2-DC12	D5	11.7	1028.0	12				
653-G6S-2-DC24	G6S-2-DC24	D5	8.3	2880.0	24				
PCB Thru-Hole, Non-Latching, EN60950/EN41003 Approved									
653-G6S-2-Y-DC5	G6S-2-Y-DC5	D5	40.0	125.0	5				
653-G6S-2-Y-DC12	G6S-2-Y-DC12	D5	16.7	720.0	12				
653-G6S-2-YDC24	G6S-2-Y DC24	D5	9.6	2504.0	24				
PCB Thru-Hole, Single Coil Latching									
653-G6SU-2-DC3	G6SU-2-DC3	D5	33.3	90.0	3				
653-G6SU-2DC45	G6SU-2 DC4.5	D5	22.2	203.0	4.5				
653-G6SU-2-DC12	G6SU-2-DC12	D5	11.7	1028.0	12				
PCB Thru-Hole, Dual Coil Latching									
653-G6SK-2-DC5	G6SK-2-DC5	D6	40.0	125.0	5				
653-G6SK-2DC12	G6SK-2 DC12	D6	11.7	1028.0	12				
653-G6SK-2DC24	G6SK-2 DC24	D6	8.3	2880.0	24				
PCB Thru-Hole, High-Sensitivity Dual, Coil Latching									
653-G6SK-2-H-DC5	G6SK-2-H-DC5	D6	28.1	78.0	5				



PANASONIC Low Signal Relays

Panasonic

RoHS Compliant This product is RoHS compliant.



Panasonic signal relays are RoHS compliant and offer high-reliability and space-saving solutions for today's applications in telecom, WiFi, handheld devices, instrumentation, and ATE. Panasonic is the leading provider of signal relays in North America (VDC 2004).

AGN SERIES

Features:

- Compact slim body
- Surge Resistance
- Nominal operating power: 140mW
- Vibration and Shock resistance
- High Contact reliability
- Available in PCB and SMD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Current Rating (A)	Volt. (VDC)	Contact Arrangement	Mounting Type	Price Each			
Mfr. Part No.	1						25	50	100	
PC Board Type										
769—AGN20003	A	1	3	3	2 Form C	PCB				
769—AGN20012	A	1	12	12	2 Form C	PCB				
769—AGN20024	A	1	24	24	2 Form C	PCB				
769—AGN2004H	A	1	4.5	4.5	2 Form C	PCB				
769—AGN21003	A	1	3	3	2 Form C	PCB				
769—AGN21012	A	1	12	12	2 Form C	PCB				
769—AGN2104H	A	1	4.5	4.5	2 Form C	PCB				
SMD Type										
769—AGN200A03	B	1	3	3	2 Form C	SMD				
769—AGN200A12	B	1	12	12	2 Form C	SMD				
769—AGN200A24	B	1	24	24	2 Form C	SMD				
769—AGN200A4H	B	1	4.5	4.5	2 Form C	SMD				
769—AGN200S03	B	1	3	3	2 Form C	SMD				
769—AGN200S12	B	1	12	12	2 Form C	SMD				
769—AGN200S24	B	1	24	24	2 Form C	SMD				
769—AGN200S4H	B	1	4.5	4.5	2 Form C	SMD				
769—AGN210A03	B	1	3	3	2 Form C	SMD				
769—AGN210A4H	B	1	4.5	4.5	2 Form C	SMD				

AGQ SERIES

Features:

- Compact flat body
- Surge Resistance
- Nominal operating power: 140mW
- Vibration and Shock resistance
- Available in PCB and SMD
- High Contact reliability

MOUSER STOCK NO.		Fig.	Current Rating (A)	Volt. (VDC)	Contact Arrangement	Mounting Type	Price Each			
Mfr. Part No.	1						25	50	100	
PC Board Type										
769—AGQ20003	C	1	3	3	2 Form C	PCB				
769—AGQ20012	C	1	12	12	2 Form C	PCB				
769—AGQ20024	C	1	24	24	2 Form C	PCB				
769—AGQ2004H	C	1	4.5	4.5	2 Form C	PCB				
SMD Type										
769—AGQ200A03	D	1	3	3	2 Form C	SMD				
769—AGQ200A12	D	1	12	12	2 Form C	SMD				
769—AGQ200A24	D	1	24	24	2 Form C	SMD				
769—AGQ200A4H	D	1	4.5	4.5	2 Form C	SMD				
769—AGQ200S03	D	1	3	3	2 Form C	SMD				
769—AGQ200S12	D	1	12	12	2 Form C	SMD				
769—AGQ200S24	D	1	24	24	2 Form C	SMD				
769—AGQ200S4H	D	1	4.5	4.5	2 Form C	SMD				
769—AGQ210A03	D	1	3	3	2 Form C	SMD				
769—AGQ210A4H	D	1	4.5	4.5	2 Form C	SMD				
769—AGQ210S4H	D	1	4.5	4.5	2 Form C	SMD				

ASX SERIES

Features:

- High Contact reliability
- High Sensibility of 50mW
- Low level switching capacity
- Low thermal electromotive force

MOUSER STOCK NO.		Fig.	Current Rating (A)	Volt. (VDC)	Contact Arrangement	Mounting Type	Price Each			
Mfr. Part No.	1						25	50	100	
PC Board Type										
769—ASX20012	E	10	12	12	2 Form C	PCB				
769—ASX2004H	E	10	4.5	4.5	2 Form C	PCB				
769—ASX22012	E	10	12	12	2 Form C	PCB				

DS SERIES

Features:

- Bifurcated contacts are standard
- High sensitivity 1500V FCC surge withstanding
- High switching capacity: 60W, 125VA

Applications:

- Office equipment
- Security equipment
- Telecommunication equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Current Rating (A)	Volt. (VDC)	Contact Arrangement	Mounting Type	Price Each			
Mfr. Part No.	1						25	50	100	
Non-Latching										
769—DS1E-S-DC3V	F	2	3	3	1 Form C	PCB				
769—DS1E-SL-DC12V	G	2	12	12	1 Form C	PCB				
769—DS1E-SL-DC24V	G	2	24	24	1 Form C	PCB				
769—DS1E-SL-DC3V	G	2	3	3	1 Form C	PCB				
769—DS1E-SL-DC5V	G	2	5	5	1 Form C	PCB				
769—DS2E-S-DC48V-TB	G	2	---	---	2 Form C	PCB				
769—DS1E-M-DC12V	F	2	12	12	1 Form C	PCB				
769—DS1E-M-DC24V	F	2	24	24	1 Form C	PCB				
769—DS1E-M-DC3V	F	2	3	3	1 Form C	PCB				
769—DS1E-M-DC48V	F	2	48	48	1 Form C	PCB				
769—DS1E-M-DC5V	F	2	5	5	1 Form C	PCB				
769—DS1E-M-DC9V	F	2	9	9	1 Form C	PCB				
769—DS1E-S-DC12V	F	2	12	12	1 Form C	PCB				
769—DS1E-S-DC24V	F	2	24	24	1 Form C	PCB				
769—DS1E-S-DC48V	F	2	48	48	1 Form C	PCB				
769—DS1E-S-DC5V	F	2	5	5	1 Form C	PCB				
769—DS1E-S-DC6V	F	2	6	6	1 Form C	PCB				
769—DS1E-S-DC9V	F	2	9	9	1 Form C	PCB				
769—DS2E-S-DC12V	G	2	12	12	2 Form C	PCB				
769—DS2E-S-DC24V	G	2	24	24	2 Form C	PCB				
769—DS2E-S-DC3V	G	2	3	3	2 Form C	PCB				
769—DS2E-S-DC48V	G	2	48	48	2 Form C	PCB				
769—DS2E-S-DC5V	G	2	5	5	2 Form C	PCB				
769—DS2E-S-DC6V	G	2	6	6	2 Form C	PCB				
769—DS2E-S-DC9V	G	2	9	9	2 Form C	PCB				
769—DS2Y-S-DC12V	G	2	12	12	2 Form C	PCB				
769—DS2Y-S-DC24V	G	2	24	24	2 Form C	PCB				
769—DS2Y-S-DC48V	G	2	48	48	2 Form C	PCB				
769—DS2Y-S-DC5V	G	2	5	5	2 Form C	PCB				
769—DS2Y-S-DC6V	G	2	6	6	2 Form C	PCB				
769—DS2Y-S-DC9V	G	2	9	9	2 Form C	PCB				
Dual Coil Latching										
769—DS1E-ML-DC12V	H	2	12	12	1 Form C	PCB				
769—DS1E-ML-DC24V	H	2	24	24	1 Form C	PCB				
769—DS1E-ML-DC5V	H	2	5	5	1 Form C	PCB				
769—DS1E-ML2-DC12V	H	2	12	12	1 Form C	PCB				
769—DS1E-ML2-DC24V	H	2	24	24	1 Form C	PCB				
769—DS1E-ML2-DC6V	H	2	6	6	1 Form C	PCB				
769—DS1E-SL2-DC3V	H	2	3	3	1 Form C	PCB				

HY SERIES

Features:

- Non-Polarized
- Sealed Construction
- High sensitivity: 150mW/200mW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Current Rating (A)	Volt. (VDC)	Contact Arrangement	Mounting Type	Price Each			
Mfr. Part No.	1						25	50	100	
PC Board Type										
769—HY1-12V	I	1	12	12	1 Form C	PCB				
769—HY1-24V	I	1	24	24	1 Form C	PCB				
769—HY1-3V	I	1	3	3	1 Form C	PCB				
769—HY1-5V	I	1	5	5	1 Form C	PCB				
769—HY1Z-12V	I	1	12	12	1 Form C	PCB				
769—HY1Z-24V	I	1	24	24	1 Form C	PCB				
769—HY1Z-5V	I	1	5	5	1 Form C	PCB				

AXICOM Low Signal Relays

RoHS Compliant This product is RoHS compliant.

IM SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Surface mount product; tape and reel packaging
- Contact material: Palladium-ruthenium, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching; Through-hole										
655-IM03TS	1-146237-8	IM03TS	A1	5	140mW	178				
655-IM06TS	2-1462037-7	IM06TS	A1	12	140mW	1028				
655-IM07TS	3-1462037-0	IM07TS	A1	24	200mW	2440				
Non-latching; SMD										
655-IM03GR	1-1462037-4	IM03GR	B1	5	140mW	178				
655-IM06GR	2-1462037-3	IM06GR	B1	12	140mW	1028				
655-IM07GR	4-1462037-7	IM07GR	B1	24	200mW	2440				
Single-coil Latching; Through-hole										
655-IM43TS	5-1462037-8	IM43TS	A2	5	100mW	250				
655-IM46TS	6-1462037-6	IM46TS	A2	12	100mW	1028				
Single-coil Latching; SMD										
655-IM43GR	5-1462037-9	IM43GR	B2	5	100mW	250				
655-IM46GR	6-1462037-7	IM46GR	B2	12	100mW	1028				

P2 (V23079): SLIM CASE 5A POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 5A
- Surface mount product tape and reel packaging
- Contact material: Silver nickel, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching; Through-hole										
655-V23079A1001B301	1393788-3	V23079A1001B301	C3	5	140mW	178				
655-V23079A1003B301	1-1393788-1	V23079A1003B301	C3	12	140mW	1029				
655-V23079A1005B301	1-1393788-6	V23079A1005B301	C3	24	140mW	4114				
655-V23079D1003B301	5-1393788-7	V23079D1003B301	D3	12	140mW	1029				
655-V23079D1005B301	5-1393788-8	V23079D1005B301	D3	24	140mW	4114				
Single-coil Latching; Through-hole										
655-V23079C1103B301	4-1393788-8	V23079C1103B301	C4	12	70mW	2057				
Dual-coil Latching; Through-hole										
655-V23079B1203B301	3-1393788-6	V23079B1203B301	C5	12	140mW	1029				

FX2 SERIES: SLIM CASE 3A NON-POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Palladium-ruthenium, gold covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching; Through-hole										
655-D3209	0-1462034-9	D3209	E6	5	140mW	178				
655-D3212	1-1462034-4	D3212	E6	24	200mW	2880				
Non-latching, High Sensitivity; Through-hole										
655-D3223	2-1462034-1	D3223	E6	5	80mW	313				
655-D3226	2-1462034-4	D3226	E6	12	80mW	1800				
655-D3227	2-1462034-5	D3227	E6	24	140mW	4114				
Single-coil Latching; Through-hole										
655-D3243	3-1462034-0	D3243	E7	5	100mW	250				

FT2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

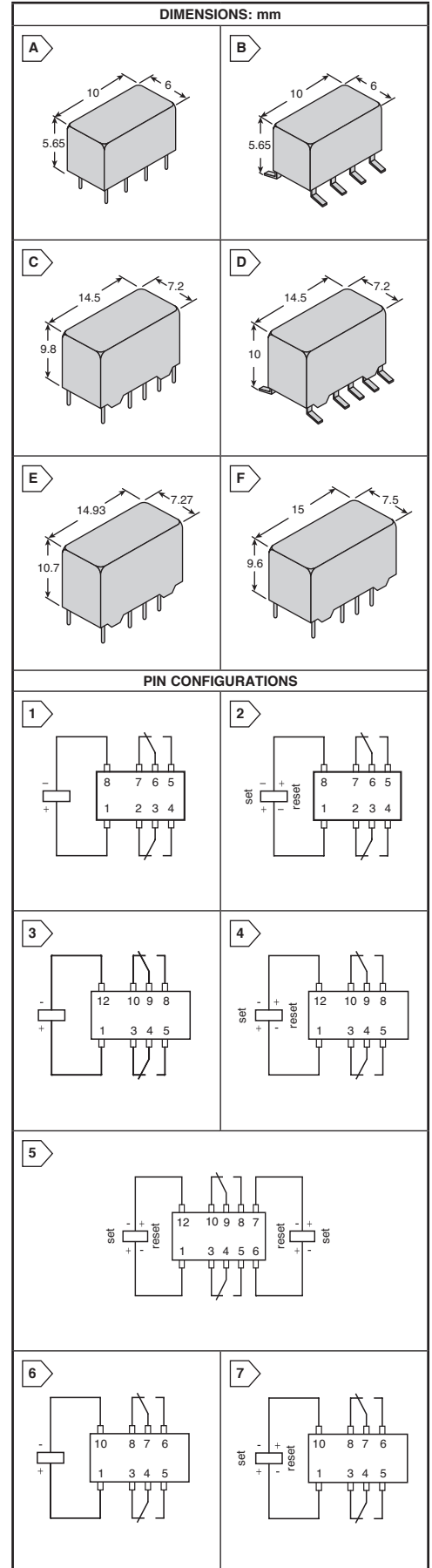
Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact assembly: Bifurcated contacts
- Contact material (Standard version): Silver nickel, gold-covered
- Contact material (High dielectric version): Palladium-ruthenium, gold covered
- Immersion cleanable, IP67 degree of protection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching; Through-hole										
655-D3407	0-1462035-7	D3407	F6	24	300mW	1920				
Non-latching, High Sensitivity; Through-hole										
655-D3423	1-1462035-1	D3423	F6	5	200mW	125				
655-D3426	1-1462035-4	D3426	F6	12	200mW	720				
655-D3427	1-1462035-7	D3427	F6	24	240mW	2400				
Non-latching, High Dielectric; Through-hole										
655-D3493	1-1462035-5	D3493	F6	5	200mW	125				
655-D3496	2-1462035-4	D3496	F6	12	200mW	720				



P&B Low Signal Relays

RoHS Compliant This product is RoHS compliant.

FU2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Termination: Through Hole
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

UL **RI** **US**
UL Recognized
File No. E111441

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching										
655-D3507W	1-1462036-4	D3507W	A1	24	300mW	1920				
Non-latching, High Sensitivity										
655-D3523W	2-1462036-2	D3523W	A1	5	200mW	125				
655-D3526W	2-1462036-8	D3526W	A1	12	200mW	720				
655-D3527W	9-1462036-1	D3527W	A1	24	240mW	2400				

FP2 SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Termination: Through Hole
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

UL **RI** **US**
UL Recognized
File No. E111441

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
Non-latching										
655-D3009	1-1462033-4	D3009	B2	5	140mW	178				
655-D3002	1462033-5	D3002	B2	12	140mW	1028				
655-D3012	2-1462033-2	D3012	B2	24	200mW	2880				
Non-latching, High Sensitivity										
655-D3023	3-1462033-4	D3023	B2	5	80mW	313				
655-D3026	3-1462033-7	D3026	B2	12	80mW	1800				
655-D3027	3-1462033-8	D3027	B2	24	140mW	4114				
Single-coil Latching										
655-D3043	4-1462033-2	D3043	B3	5	100mW	250				
Dual-coil Latching										
655-D3063	4-1462033-9	D3063	B4	5	200mW	125				
655-D3066	5-1462033-4	D3066	B4	12	200mW	720				
655-D3067	5-1462033-6	D3067	B4	24	300mW	1920				

D2N (V23105) SERIES: 3A NON-POLARIZED LOW SIGNAL RELAYS

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Silver-nickel, gold covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

UL **RI** **US**
UL Recognized
File No. E111441

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
655-V23105A5001A201	8-1393792-5	V23105A5001A201	C5	5	150mW	167				
655-V23105A5003A201	8-1393792-8	V23105A5003A201	C5	12	150mW	960				
655-V23105A5005A201	9-1393792-0	V23105A5005A201	C5	24	150mW	3480				
655-V23105A5301A201	9-1393792-0	V23105A5301A201	C5	5	200mW	125				
655-V23105A5303A201	9-1393792-7	V23105A5303A201	C5	12	200mW	720				
655-V23105A5305A201	9-1393792-9	V23105A5305A201	C5	24	200mW	2880				
655-V23105A5401A201	1393793-6	V23105A5401A201	C5	5	400mW	62				
655-V23105A5403A201	1393793-8	V23105A5403A201	C5	12	400mW	360				
655-V23105A5405A201	1393793-9	V23105A5405A201	C5	24	400mW	1440				

P1 (V23026) SERIES: 1A LOW SIGNAL RELAYS

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 1A
- Termination: V23026A Through Hole
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

UL **RI** **US**
UL Recognized
File No. E111441

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	10	25	50
655-V23026A1001B201	1393774-1	V23026A1001B201	D6	5	68mW	370				
655-V23026A1002B201	1393774-8	V23026A1002B201	D6	12	64mW	2250				
655-V23026A1004B201	1-1393774-2	V23026A1004B201	D6	24	128mW	4500				
655-V23026D1021XB	1393776-3	V23026D1021XB	E6	5	80mW	313				
655-V23026D1022XB	1393776-4	V23026D1022XB	E6	12	80mW	1800				
655-V23026D1024XB	1393776-7	V23026D1024XB	E6	24	128mW	4500				

T81N/T81H SERIES: ULTRAMINIATURE PCB RELAYS

- High dielectric strength - 1000Vrms, 50/60Hz, for 1 minute contact to coil
- Contact material: Gold overlay silver-palladium alloy
- Contact rating: 1A @ 24VDC, 0.5A @ 120VAC
- Enclosure: Immersion cleanable, plastic sealed case
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Excluding bounce): 5ms/2ms
- Nominal power: T81N - 450mW; T81H - 200mW
- T81N - standard coil; T81H - sensitive coil
- Contact form: SPDT

UL **RI** **US**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Axicom Part No.	Fig.	Coil VDC	Coil Resistance (Ω)	Price Each			
						1	10	25	50
655-T81N5D312-12	7-1393779-1	T81N5D312-12	F	12	320				
655-T81N5D312-24	7-1393779-2	T81N5D312-24	F	24	1280				
655-T81H5D312-05	5-1393779-5	T81H5D312-05	F	5	125				
655-T81H5D312-12	5-1393779-8	T81H5D312-12	F	12	700				
655-T81H5D312-24	5-1393779-9	T81H5D312-24	F	24	2800				

DIMENSIONS: mm

PIN CONFIGURATIONS

TE Connectivity

Low Signal Relays

FTR-F1 SERIES: 2 POLES - 5A LOW PROFILE TYPE

- Features:**
- DPST/DPDT 5A, TV-3 rating available
 - Higher isolation by employing insulation construction
 - Plastic sealed relay
 - UL, CSA, VDE, SEMKO BSI recognized
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-F1CA005V	FTR-F1CA005V	A	DPDT	5	5A				
817-FTR-F1CA006V	FTR-F1CA006V	A	DPDT	6	5A				
817-FTR-F1CA012V	FTR-F1CA012V	A	DPDT	12	5A				
817-FTR-F1CD012V	FTR-F1CD012V	A	DPDT	12	5A				

FTR-F2 SERIES: 1 POLE, 5, 10A CADMIUM FREE CONTACTS TYPE

- Features:**
- High density mounting
 - High Isolation
 - High Noise resistance
 - Heat resistance, flammability
 - UL, CSA, VDE approved
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-F2AK048T	FTR-F2AK048T	B	SPST-NO	48	5A				

FTR-H1 SERIES: 1 POLE - 10A LOW PROFILE TYPE

- Features:**
- Type of service: Continuous duty
 - UL class B (130°C) insulation
 - High isolation in small package
 - Plastic sealed relay
 - UL, CSA, BSI, VDE, SEMKO, DEMKO approved
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-H1AA005V	FTR-H1AA005V	C	SPST-NO	5	10A				
817-FTR-H1AA012V	FTR-H1AA012V	C	SPST-NO	12	10A				
817-FTR-H1AA024V	FTR-H1AA024V	C	SPST-NO	24	10A				
817-FTR-H1CA005V	FTR-H1CA005V	D	SPDT	5	10A				
817-FTR-H1CA012V	FTR-H1CA012V	D	SPDT	12	10A				
817-FTR-H1CA024V	FTR-H1CA024V	D	SPDT	24	10A				

FTR-K1 SERIES: 1 POLE - 16A LOW PROFILE TYPE

- Features:**
- High density mounting
 - High Isolation
 - Heat Resistance, Flammability 94V-0
 - Cadmium free contact for eco-program
 - UL, CSA, VDE, SEMKO approved
 - TV-5 rating approved, TV-8 available
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-K1CK024W	FTR-K1CK024W	E	SPDT	24	16A				

FTR-F3 SERIES: 1 POLES - 6A SLIM TYPE RELAY

- Features:**
- High density mounting
 - Higher isolation
 - Insulation Distance: Minimum 6mm between coil and contact (conforms to IEC 65)
 - Dielectric Strength: 4KV
 - High coil sensitivity
 - High flammability resistance
 - Flammability 94V-0
 - UL class B (130°C)
 - Cadmium free contact for eco-program
 - UL, CSA, VDE approved
 - Plastic sealed relay
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-F3AA005E-HA	FTR-F3AA005E-HA	F	1 Form A	5	5A				
817-FTR-F3AA012E-HA	FTR-F3AA012E-HA	F	1 Form A	12	5A				
817-FTR-F3AA024E	FTR-F3AA024E-HA	F	1 Form A	24	5A				

FTR-H3 SERIES: SILENT POWER RELAY 1 POLE - 10A LOW PROFILE TYPE

- Features:**
- Pin compatible with widely used VS and FTR-H1 series
 - Ultra silent relay unique U-shape design
 - Noise level is about 50dB at 5cm
 - High insulation in small package
 - Contact Material: Gold overlay silver alloy
 - Lead free and cadmium free contacts
 - Plastic sealed relay
 - UL, CSA, BSI, VDE, SEMKO, DEMKO approved
 - Low profile (height 16.5mm)
 - Dielectric = 3,000VAC Surge = 10,000V
 - Contact Rating = 10A
 - UL, CSA, VDE, CQC safety standards
 - Sealed type relay
 - Nominal Power = 530mW
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-H3AA005V	FTR-H3AA005V	G	1 Form A	5	47				
817-FTR-H3AA009V	FTR-H3AA009V	G	1 Form A	9	155				
817-FTR-H3AA012V	FTR-H3AA012V	G	1 Form A	12	270				
817-FTR-H3AA024V	FTR-H3AA024V	G	1 Form A	24	1,100				

FTR-K3 SERIES: 20A POWER RELAY

- Features:**
- Heavy duty for compressor and inverter loads
 - High Sensitivity in small package
 - Nominal Power 780mW
 - High insulation with reinforced insulation system
 - Clearance distance = 8mm Creepage distance = 9.5mm
 - Dielectric = 5,000VAC Surge = 8,500V
 - Contact Rating = 20A
 - UL, CSA, VDE, CQC safety standards
- RoHS Compliant

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-K3AB005W	FTR-K3AB005W	H	1 form A, PCB	5VDC	32				
817-FTR-K3AB006W	FTR-K3AB006W	H	1 form A, PCB	6VDC	46				
817-FTR-K3AB009W	FTR-K3AB009W	H	1 form A, PCB	9VDC	105				
817-FTR-K3AB012W	FTR-K3AB012W	H	1 form A, PCB	12VDC	185				
817-FTR-K3AB018W	FTR-K3AB018W	H	1 form A, PCB	18VDC	415				
817-FTR-K3AB024W	FTR-K3AB024W	H	1 form A, PCB	24VDC	740				
817-FTR-K3JB005W	FTR-K3JB005W	I	1 form A, TAB+PCB	5VDC	32				
817-FTR-K3JB006W	FTR-K3JB006W	I	1 form A, TAB+PCB	6VDC	46				
817-FTR-K3JB009W	FTR-K3JB009W	I	1 form A, TAB+PCB	9VDC	105				
817-FTR-K3JB012W	FTR-K3JB012W	I	1 form A, TAB+PCB	12VDC	185				
817-FTR-K3JB018W	FTR-K3JB018W	I	1 form A, TAB+PCB	18VDC	415				
817-FTR-K3JB024W	FTR-K3JB024W	I	1 form A, TAB+PCB	24VDC	740				

DIMENSIONS: mm

A

B

C

D

E

F

G

H

I

FTR-MY SERIES: 1 POLE - SLIM POWER RELAY

Features:

- Width: 5mm
- Height: 12mm
- Weight: 2.5g
- High Sensitive
- High reliability
- Dielectric Strength: 3000VAC



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-MYAA005D	FTR-MYAA005D	A	SPST-NO	5	5A				
817-FTR-MYAA012D	FTR-MYAA012D	A	SPST-NO	12	5A				

JS SERIES: 1 POLE - 8 A (MEDIUM LOAD CONTROL)

Features:

- Low profile and space saving
- High sensitivity in small package
- Plastic sealed type
- UL Class B (130°C) insulation
- UL, CSA, VDE, SEV, SEMKO, FIMKO, BSI recognized



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JS-24-K	JS-24-K	B	SPDT	24	8A				
817-JS-5E-K	JS-5E-K	B	SPDT	5	8A				
817-JS-12E-K	JS-12E-K	B	SPDT	12	8A				
817-JS-24E-K	JS-24E-K	B	SPDT	24	8A				

JV SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

Features:

- Low profile and space saving
- High sensitivity in small package
- Plastic sealed type
- Cadmium free contacts
- High Insulation with reinforced insulation system



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JV-12S-KT	JV-12S-KT	C	SPST-NO	12	5A				
817-JV-24S-KT	JV-24S-KT	C	SPST-NO	24	5A				
817-JV-24-KT	JV-24-KT	C	SPST-NO	24	5A				

JY SERIES: 1 POLE - 3, 5 A (MEDIUM LOAD CONTROL)

Features:

- High sensitivity and low power consumption
- High isolation
- Wide operating temperature range
- DIL through-hole terminals
- Plastic sealed type
- UL, CSA, VDE recognized



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JY-12H-K	JY-12H-K	D	SPST-NO	12	5A				
817-JY-24H-K	JY-24H-K	D	SPST-NO	24	5A				

LZ SERIES: 1 POLE - 1, 3, 5, 10 A (MEDIUM LOAD CONTROL)

Features:

- 4 kinds of contact ratings
- Standard and high sensitivity types available
- High surge strength version available
- Printed circuit terminals - fits grid with 0.1 inch
- UL class B (130°C) insulation type



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-LZ-12H-K	LZ-12H-K	E	SPDT	12	5A				
817-LZ-24HS-K	LZ-24HS-K	E	SPDT	24	5A				
817-LZ-12VM-K	LZ-12VM-K	F	SPST-NO	12	10A				

FTR-LY SERIES: 1 POLE - 6 A (MEDIUM LOAD CONTROL)

Features:

- Slim Design
- High insulation in small package
- Insulation distance: 8mm min.
- Dielectric strength: 4000VAC
- UL, CSA, VDE Recognized
- Cadmium Free Contacts
- Contact Material: Silver Alloy



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-LYAA005Y	FTR-LYAA005Y	G	1 Form A	5	6A				
817-FTR-LYAA012Y	FTR-LYAA012Y	G	1 Form A	12	6A				
817-FTR-LYAA024Y	FTR-LYAA024Y	G	1 Form A	24	6A				
817-FTR-LYCA005Y	FTR-LYCA005Y	G	1 Form C	5	6A				
817-FTR-LYCA012Y	FTR-LYCA012Y	G	1 Form C	12	6A				
817-FTR-LYCA024Y	FTR-LYCA024Y	G	1 Form C	24	6A				

NY SERIES: 1 POLE - 5 A ULTRA SLIM 5MM THICKNESS

Features:

- Ultra slim type with 5mm thickness
- Low power consumption and high sensitivity
- Wide operating range
- SIP through-hole terminals
- Plastic sealed type
- UL, CSA, VDE recognized
- Cadmium free contacts



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-NY-12W-K	NY-12W-K	H	SPST-NO	12	5A				
817-NY-24W-K	NY-24W-K	H	SPST-NO	24	5A				

VE SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

Features:

- Low cost, miniature relay with big performance in small package
- Slim type- for high density DIP through-hole mounting
- Wide operating temperature range
- Plastic sealed type
- UL, CSA, VDE recognized



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-VE-12H-K	VE-12H-K	I	SPDT	12	5A				
817-VE-24HS-K	VE-24HS-K	I	SPDT	24	5A				
817-VE-5HSE-K	VE-5HSE-K	I	SPDT	5	5A				
817-VE-6HSE-K	VE-6HSE-K-UL	I	SPDT	6	5A				
817-VE-24H5-K	VE-24H5-K	I	SPDT	24	5A				

DIMENSIONS: mm

A

B

C

D

E

F

G

H

I

MAGNECRAFT PCB and Solid State Relays



Magnecraft CLASS 276 SEALED LOW PROFILE POWER PCB RELAYS

- Contact resistance: 100mΩ initial @ 6VDC, 1 Amp
- Coil power: 200mW approx
- Coil resistance: ±10%
- Contact material: silver alloy
- Dielectric strength: 2000V rms
- Insulation resistance: 500VDC exceeds 1000MΩ min
- Operating temperature: -40°C to +70°C

- Electrical life: 100,000 operations @ rated resistive load
- DTL compatible single-side stable design
- 5KV surge resistance coil to contact

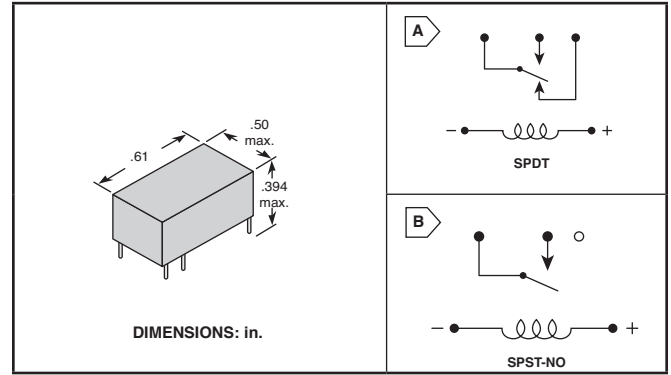
UL Recognized File No. E190964



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-2761-5	276XAXH-5D	A	SPDT	7A	5VDC	125				
528-2761-12	276XAXH-12D	A	SPDT	7A	12VDC	720				
528-2761-24	276XAXH-24D	A	SPDT	7A	24VDC	2880				
528-2762-5	276AXXH-5D	B	SPST-NO	10A	5VDC	125				
528-2762-12	276AXXH-12D	B	SPST-NO	10A	12VDC	720				
528-2762-24	276AXXH-24D	B	SPST-NO	10A	24VDC	2880				



Magnecraft CLASS 976 SEALED SLIM-LINE PCB RELAYS

- Contact resistance: 100mΩ min
- Coil power: AC 1.2VA, DC 0.54 watts
- Coil resistance: ±10% measured @ 25°C
- Contact material: silver cadmium oxide
- Dielectric strength: 5000V rms

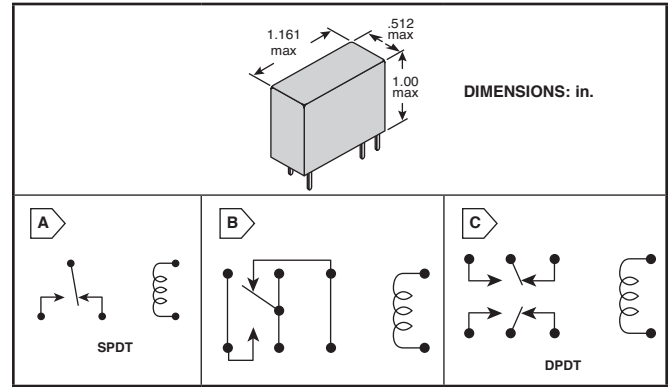
- Insulation resistance: 100MΩ 500VDC
- Operating temperature: -20°C to +55°C
- Electrical life: 100,000 operations @ rated resistive load
- Class B insulation

UL Recognized File No. E191122



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-976A-12D	976XAXH-12D	A	SPDT	12A	12VDC	270				
528-976A-120A	976XAXH-120A	A	SPDT	12A	120VAC	5600				
528-976AH-24D	976XAX97H-24D	B	SPDT	20A	24VDC	1100				
528-976AH-24A	976XAX97H-24A	B	SPDT	20A	24VAC	250				
528-976AH-120A	976XAX97H-120A	B	SPDT	20A	120VAC	5600				
528-976B-12D	976XBXH-12D	C	DPDT	5A	12VDC	270				
528-976B-24D	976XBXH-24D	C	DPDT	5A	24VDC	1100				
528-976B-24A	976XBXH-24A	C	DPDT	5A	24VAC	250				
528-976B-120A	976XBXH-120A	C	DPDT	5A	120VAC	5600				



Magnecraft CLASS 6 SOLID STATE RELAYS WITH LED LAMP INDICATOR

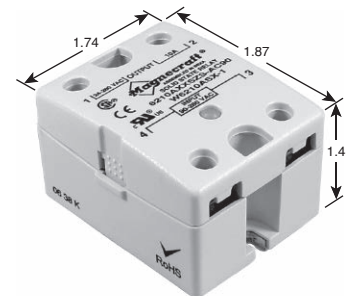
- Screw (AXX) or Blade (BXX) Terminals Available
- Control Voltage Range: AC90 = 90-280VAC (50/60 Hz), DC3 = 3-32VDC
- Load Voltage Range: 62 = 40-280VAC, 64 = 48-480VAC, 66 = 48-600VAC
- 10 to 125 Amp Switching Capacity

- Optically Coupled
- AC or DC Controlled
- Panel Mountable

UL Recognized File No. E258297

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supersedes	Load Voltage	Current Rating (RMS)	Price Each			
					1	10	25	50
AC Controlled Input, 90-280 VAC (SPST-NO)								
528-6210AXXSZS-AC90	6210AXXSZS-AC90	W6210ASX-1	24-280VAC	10A				
528-6225AXXSZS-AC90	6225AXXSZS-AC90	W6225ASX-1	24-280VAC	25A				
528-6240AXXSZS-AC90	6240AXXSZS-AC90	W6240ASX-1	24-280VAC	40A				
528-6250AXXSZS-AC90	6250AXXSZS-AC90	W6250ASX-1	24-280VAC	50A				
528-6275AXXSZS-AC90	6275AXXSZS-AC90	W6275ASX-1	24-280VAC	75A				
528-6410AXXSZS-AC90	6410AXXSZS-AC90	W6410ASX-1	48-480VAC	10A				
528-6425AXXSZS-AC90	6425AXXSZS-AC90	W6425ASX-1	48-480VAC	25A				
DC Controlled Input, 3-32 VDC (SPST-NO)								
528-6312AXXMDS-DC3	6312AXXMDS-DC3	6212DDX-1	3-200VDC	12A				
528-6325AXXMDS-DC3	6325AXXMDS-DC3	6225DDX-1	3-200VDC	25A				
528-6340AXXMDS-DC3	6340AXXMDS-DC3	6240DDX-1	3-200VDC	40A				
528-6210AXXSZS-DC3	6210AXXSZS-DC3	W6210DSX-1	24-280VAC	10A				
528-6240AXXSZS-DC3	6240AXXSZS-DC3	W6240DSX-1	24-280VAC	40A				
528-6250AXXSZS-DC3	6250DSX-1	W6250DSX-1	24-280VAC	50A				
528-6275AXXSZS-DC3	6275DSX-1	W6275DSX-1	24-280VAC	75A				
528-6425AXXSZS-DC3	6425AXXSZS-DC3	W6425DSX-1	48-480VAC	25A				
528-6450AXXSZS-DC3	6450AXXSZS-DC3	W6450DSX-1	48-480VAC	50A				
528-66125AXXSZS-DC3	66125AXXSZS-DC3	W66125DSX-1	48-600VAC	125A				



Magnecraft HEATSINK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	5	20	40
528-SSR-HS-1	SSR-HS-1	Aluminum Heat Sink for 6000 Series SSR				

Magnecraft 7052 SERIES - PCB & PANEL MOUNT SOLID STATE RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Contact Form	Input Voltage	Output Voltage Range	Price Each			
					1	5	20	40
528-70S2-01-A-05-N	70S2-01-A-05-N	SPST-NO	3-15VDC	3-60VDC				
528-70S2-04-B-12-N	70S2-04-B-12-N	SPST-NO	3-30VDC	24-140VAC				
528-70S2-04-C-06-S	70S2-04-C-06-S	SPST-NO	6-30VDC	24-140VAC				
528-70S2-04-C-10-M	70S2-04-C-10-M	SPST-NO	3-30VDC	24-280VAC				
528-70S2-04-C-12-N	70S2-04-C-12-N	SPST-NO	3-30VDC	24-280VAC				



This product is RoHS compliant.

OMRON G4A SERIES: 20A SPST-NO MINIATURE POWER PCB RELAYS

Specifications:

- Rated load: 20A @ 250VAC
- Contact resistance: 100 mΩ max.
- Electrical endurance:
 - With motor load (250VAC) 200,000 ops.
 - With overload (250VAC) 1,500 ops.
 - With Inverter load (100VAC) 30,000 ops.

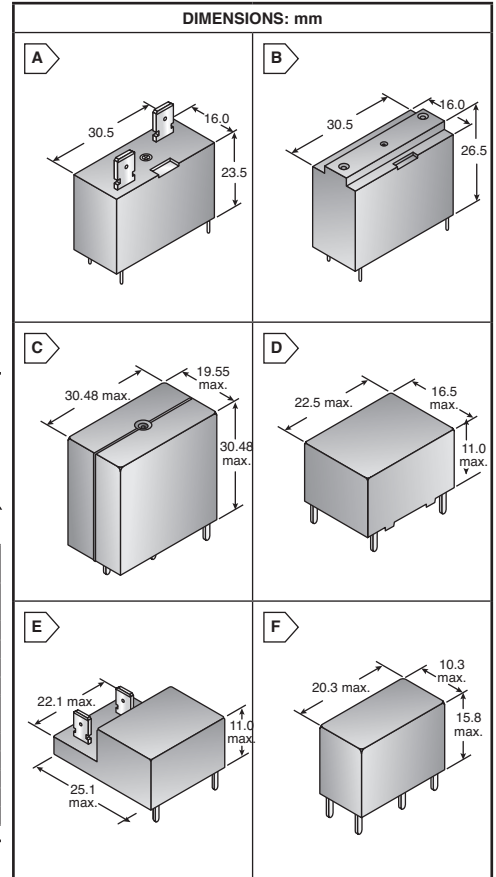
Features:

- Miniature single-pole relay with 80A surge
- 20A switching current
- Ideal for motor switching
- Miniature relay with high switching power and long endurance
- Highly noise-resistive insulation materials



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Coil Terminals	Price Each			
							1	25	50	100
653-G4A-1AE-DC5	G4A-1A-E-DC5	A1	180.0	27.8	5	QC #250/PCB				
653-G4A-1AE-DC12	G4A-1A-E-DC12	A1	75.0	160.0	12	QC #250/PCB				
653-G4A-1AE-DC24	G4A-1A-E-DC24	A1	37.5	640.0	24	QC #250/PCB				
653-G4A-1A-PEDC51	G4A-1A-PE DC5	B2	180.0	27.8	5	PCB straight/PCB				
653-G4A-1APE-DC12	G4A-1A-P-E-DC12	B2	75.0	160.0	12	PCB straight/PCB				
653-G4A-1APE-DC24	G4A-1A-P-E-DC24	B2	37.5	640.0	24	PCB straight/PCB				



OMRON G4W SERIES: 15A POWER PCB RELAYS

Specifications:

- Rated load: 15A @ 250VAC/24VDC
- Terminals: PCB straight
- Coil power consumption: 800mW

Features:

- Impulse withstand voltage as high as 10kV with 4kV dielectric
- Ideal for power supply switching
- International 2.54mm terminal pitch



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Unsealed, TV-8 Rated										
653-G4W1112PUSTV8	G4W-1112P-US-TV8-HP-DC12	C3	SPST-NO	66.7	180	12				
* 653-G4W1112PVT8HPD24	G4W-1112P-VD-TV8-HP-DC24	C3	SPST-NO	33.3	720	24				
Fully Sealed, TV-8 Rated										
653-G4W-1114P-DC12	G4W-1114P-US-TV8HP-DC12	C3	SPST-NO	66.7	180	12				
653-G4W-2214P-DC24	G4W-1114P-US-TV8HP-DC24	C3	SPST-NO	33.3	720	24				
Unsealed, TV-5 Rated										
653-G4W2212PUSTV5	G4W-2212P-US-TV5-HP-DC24	C3	DPST-NO	33.3	720	24				
Fully Sealed										
653-G4W-2214P-DC12	G4W-2214P-US-HP-DC12	C3	DPST-NO	66.7	180	12				
653-G4W-2214P-DC24	G4W-2214P-US-HP-DC24	C3	DPST-NO	33.3	720	24				

OMRON G5CA SERIES: SPST-NO POWER PCB RELAYS

Specifications:

- Contact material: Silver alloy
- Rated carry current: 10A
- Contact resistance: 30mΩ max. (QC terminals 100mΩ max.)

Features:

- Flat relays that switch 10A/15A loads
- Ideal for switching power in household appliances or outputs from industrial devices



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Terminals	Price Each			
							1	25	50	100
Standard Type, Flux Protected, Rated Load 10A @ 250VAC/30VDC										
653-G5CA-1A-DC5	G5CA-1A-DC5	D4	40.0	125	5	PCB straight				
653-G5CA-1A-DC12	G5CA-1A-DC12	D4	16.7	720	12	PCB straight				
653-G5CA-1ADC24	G5CA-1ADC24	D4	8.3	2880	24	PCB straight				
Standard Type, Fully Sealed, Rated Load 10A @ 250VAC/30VDC										
653-G5CA-1A4-DC5	G5CA-1A4-DC5	D4	40.0	125	5	PCB straight				
653-G5CA-1A4-DC12	G5CA-1A4-DC12	D4	16.7	720	12	PCB straight				
High-Capacity Type, Flux Protected, Rated Load 15A @ 110VAC / 10A @ 30VDC										
653-G5CA-1A-E-DC5	G5CA-1A-E-DC5	D4	40.0	125	5	PCB straight				
653-G5CA-1A-E-DC12	G5CA-1A-E-DC12	D4	16.7	720	12	PCB straight				
653-G5CA-1A-E-DC24	G5CA-1A-E-DC24	D4	8.3	2880	24	PCB straight				
653-G5CA-1A-TP-EDC5	G5CA-1A-TP-E DC5	E5	40.0	125	5	QC#187				
653-G5CA1ATPEDC12	G5CA-1A-TP-E DC12	E5	8.3	2880	24	QC#187				

OMRON G5Q SERIES: COMPACT, HIGH-ISOLATION POWER PCB RELAYS

Specifications:

- Contact material: Ag Alloy
- Contact rating:
 - (NO) 10A @ 125VAC / 5A @ 30VDC
 - (NC) 3A @ 125VAC / 3A @ 30VDC
- Power consumption: SPST-NO 400mW; SPDT 200mW

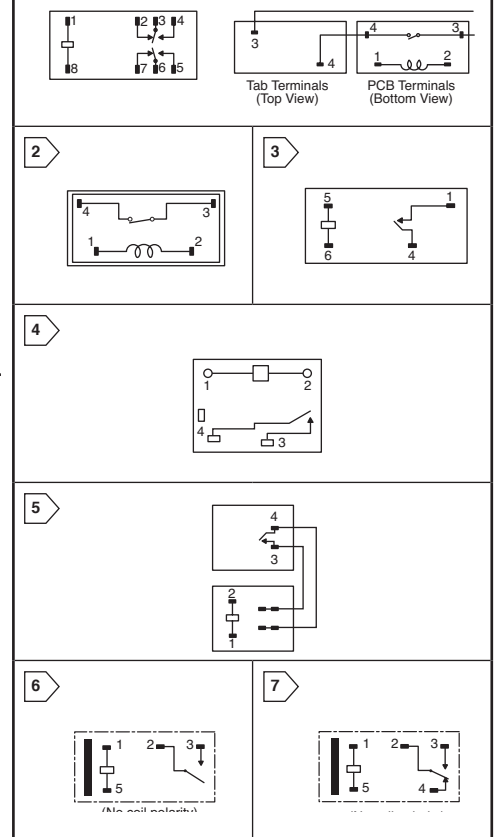
Features:

- Ensures a withstand impulse voltage of 8,000V between the coil and contacts
- Low coil power consumption
- UL class F coil insulation
- Ideal for appliance and HVAC controls



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Vented Construction										
653-G5Q-1A-DC5	G5Q-1A-DC5	F6	SPST-NO	40.0	200	5				
653-G5Q-1A-DC12	G5Q-1A-DC12	F6	SPST-NO	16.7	720	12				
653-G5Q-1-DC5	G5Q-1-DC5	F7	SPDT	80.0	63	5				
653-G5Q-1-DC24	G5Q-1-DC24	F7	SPDT	16.7	1440	24				
Sealed Construction										
653-G5Q-1A4-DC12	G5Q-1A4-DC12	F6	SPST-NO	16.7	720	12				
653-G5Q-1A4-DC24	G5Q-1A4-DC24	F6	SPST-NO	8.3	2880	24				
653-G5Q-14-DC5	G5Q-14-DC5	F7	SPDT	80.0	63	5				
653-G5Q-14-DC12	G5Q-14-DC12	F7	SPDT	33.3	360	12				
653-G5Q-14-DC24	G5Q-14-DC24	F7	SPDT	16.7	1440	24				



OMRON G5LE SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

Specifications:

- Contact rating: 10A @ 120VAC for Standard (5/9VDC)
10A @ 240VAC for Standard (12/24VDC)
10A @ 35VDC for 0.8mm Contact Gap
16A @ 250VAC for High-Capacity

Features:

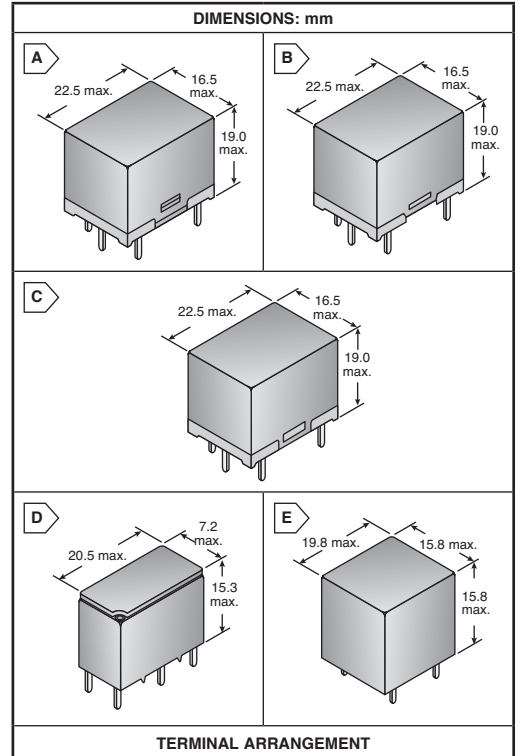
- Withstands impulse of up to 4500V
Ideal for applications in security equipment, household electrical appliances, garage door openers, and audio equipment



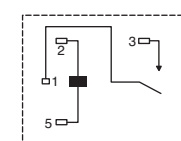
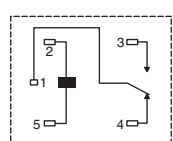
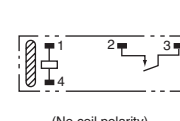
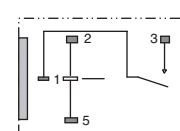
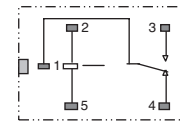
*VDE Approved **Contacts are Au plated

For quantities greater than listed, call for quote.

Table with columns: MOUSER STOCK NO., Omron Part No., Fig., Contact Form, Rated Current (mA), Coil Resistance (Ω), Coil Voltage (VDC), Power Consumption (mW), Price Each (1, 25, 50, 100). Rows include AgSnO2 Contact Material, Fully Sealed Enclosure Rating, High-Capacity, AgSnIn Contact Material, and 0.8mm Contact Gap.



TERMINAL ARRANGEMENT



Omron PCB Relays

OMRON G5NB SERIES: 3A SPST-NO PCB RELAYS

Specifications:

- Rated load: 3A @ 125VAC/30VDC for Standard
5A @ 250VAC / 3A @ 30VDC for High-Capacity
Contact resistance: 100mΩ max.

Features:

- Standard models switch up to 3A and high-capacity models switch up to 5A (AC loads only)
Low power consumption (200mW)



For quantities greater than listed, call for quote.

Table with columns: MOUSER STOCK NO., Omron Part No., Fig., Rated Current (mA), Coil Resistance (Ω), Coil Voltage (VDC), Price Each (1, 25, 50, 100). Rows include Standard Flux-Tight, Standard Sealed, High-Capacity Flux-Tight, and High-Capacity Sealed.

OMRON G5LA SERIES: 10A CUBIC POWER PCB RELAYS

Specifications:

- Contact rating: SPST-NO 10A @ 250VAC/24VDC
SPDT 5A @ 125VAC/24VDC
Contact material: AgSnO2
Contact resistance: 100mΩ max.

Features:

- Economical cube relay with universal terminal footprint
High switching power: 10A @ 250VAC
Withstands impulse of up to 4500V
Coil power consumption: 360mW



For quantities greater than listed, call for quote.

Table with columns: MOUSER STOCK NO., Omron Part No., Fig., Contact Form, Rated Current (mA), Coil Resistance (Ω), Coil Voltage (VDC), Price Each (1, 25, 50, 100). Rows include Standard Flux-Protection, Standard Fully Sealed, High-Capacity Fully Sealed, and Standard Fully Sealed Class F Insulation.

RoHS Compliant This product is RoHS compliant.

OMRON G2RL SERIES: LOW PROFILE POWER PCB RELAYS

Specifications:

- Rated load: 12A @ 250VAC/24VDC GP 1-Pole
8A @ 250VAC/30VDC GP 2-Pole
16A @ 250VAC/30VDC High-Capacity
10A @ 250VAC/24VDC High-Sensitivity
- Contact material: Ag alloy (Cd free)

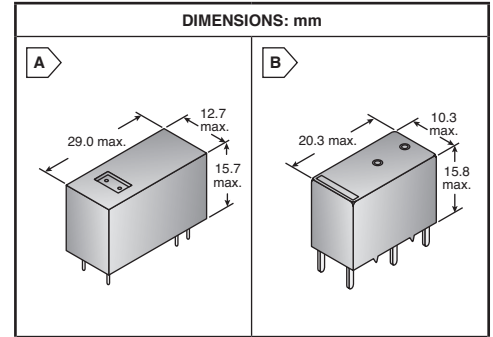
Features:

- Designed for cooking and HVAC controls: blower motor, damper, active air purification, duct flow boost fans, etc.
- Coil insulation system: Class F
- Clearance and creepage distance: 10mm/10mm
- Tracking resistance: CTI>250

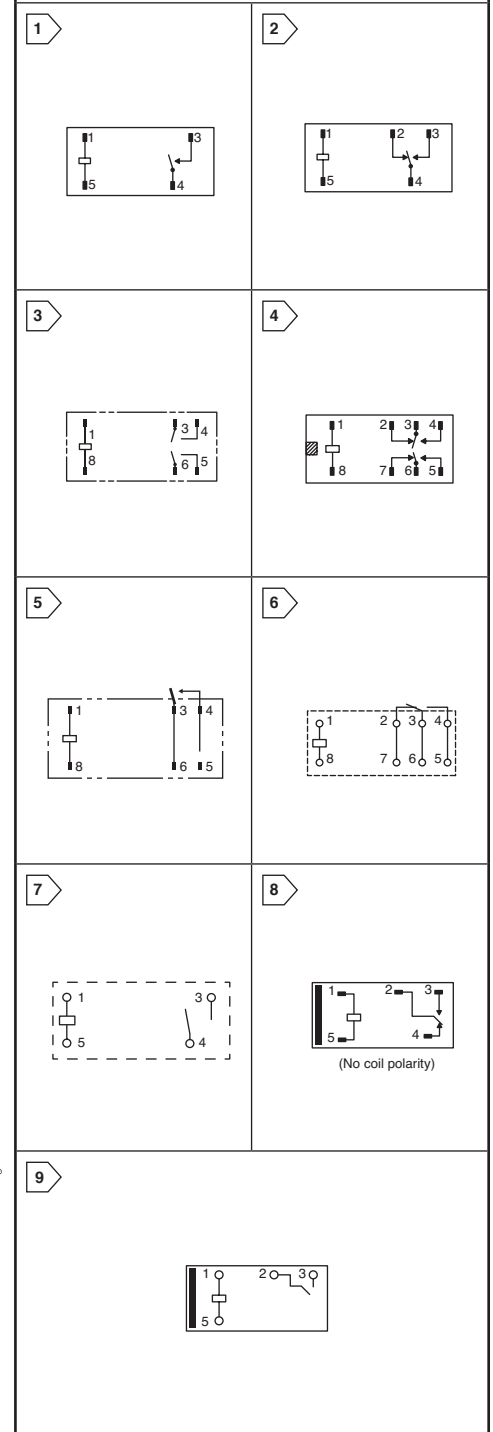


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
General Purpose, Flux Protected										
653-G2RL-1A-DC5	G2RL-1A-DC5	A1	SPST-NO	80.00	62.5	5				
653-G2RL-1A-DC12	G2RL-1A-DC12	A1	SPST-NO	33.30	360.0	12				
653-G2RL-1A-DC24	G2RL-1A-DC24	A1	SPST-NO	16.70	1440.0	24				
653-G2RL-1-DC12	G2RL-1-DC12	A2	SPDT	33.30	360.0	12				
653-G2RL-1-DC24	G2RL-1-DC24	A2	SPDT	16.70	1440.0	24				
653-G2RL-2A-DC24	G2RL-2A-DC24	A3	DPST-NO	16.70	1440.0	24				
653-G2RL-2-DC5	G2RL-2-DC5	A4	DPDT	80.00	62.5	5				
653-G2RL-2-DC12	G2RL-2-DC12	A4	DPDT	33.30	360.0	12				
653-G2RL-2-DC24	G2RL-2-DC24	A4	DPDT	16.70	1440.0	24				
General Purpose, Fully Sealed										
653-G2RL-1A4-DC12	G2RL-1A4-DC12	A1	SPST-NO	33.30	360.0	12				
653-G2RL-14-DC5	G2RL-14-DC5	A2	SPDT	80.00	62.5	5				
653-G2RL-14-DC12	G2RL-14-DC12	A2	SPDT	33.30	360.0	12				
653-G2RL-14-DC24	G2RL-14-DC24	A2	SPDT	16.70	1440.0	24				
653-G2RL-14DC48	G2RL-14 DC48	A2	SPDT	8.96	5358.0	48				
653-G2RL-2A4-DC24	G2RL-2A4-DC24	A3	DPST-NO	16.70	1440.0	24				
653-G2RL-24-DC5	G2RL-24-DC5	A4	DPDT	80.00	62.5	5				
653-G2RL-24-DC12	G2RL-24-DC12	A4	DPDT	33.30	360.0	12				
653-G2RL-24-DC24	G2RL-24-DC24	A4	DPDT	16.70	1440.0	24				
High-Capacity, Flux Protected										
653-G2RL-1A-E-DC12	G2RL-1A-E-DC12	A5	SPST-NO	33.30	360.0	12				
653-G2RL-1A-E-CFDC9	G2RL-1A-E-CF DC9	A5	SPST-NO	44.40	202.5	9				
653-G2RL-1-E-DC5	G2RL-1-E-DC5	A6	SPDT	80.00	62.5	5				
653-G2RL-1-E-DC12	G2RL-1-E-DC12	A6	SPDT	33.30	360.0	12				
653-G2RL-1-E-DC24	G2RL-1-E-DC24	A6	SPDT	16.70	1440.0	24				
653-G2RL-1-EDC48	G2RL-1-E DC48	A6	SPDT	8.96	5358.0	48				
High-Capacity, Fully Sealed										
653-G2RL-1A4-E-DC12	G2RL-1A4-E-DC12	A5	SPST-NO	33.30	360.0	12				
653-G2RL-1A4-E-DC24	G2RL-1A4-E-CF-DC24	A5	SPST-NO	16.70	1440.0	24				
653-G2RL-14-E-DC5	G2RL-14-E-DC5	A6	SPDT	80.00	62.5	5				
653-G2RL-14-E-DC12	G2RL-14-E-DC12	A6	SPDT	33.30	360.0	12				
653-G2RL-14-E-DC24	G2RL-14-E DC24	A6	SPDT	16.70	1440.0	24				
High-Sensitivity, Flux Protected										
653-G2RL1HDC5	G2RL-1-H-DC5	A2	SPDT	50.00	100.0	5				



TERMINAL ARRANGEMENT



OMRON G5RL SERIES: 16A POWER PCB RELAYS

Specifications:

- Rated load: SPST-NO 16A @ 250VAC/24VDC
SPDT 5A @ 250VAC/24VDC
- Contact material: Ag alloy (Cd free)

Features:

- Creepage distance 8mm between coil and contacts
- 10kV impulse withstand voltage
- Enclosure rating: Flux protection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
12A General Purpose, Low Noise										
653-G5RL-1A-LN-DC12	G5RL-1A-LN-DC12	A7	SPST-NO	44.2	272.0	12				
653-G5RL-1A-LN-DC24	G5RL-1A-LN-DC24	A7	SPST-NO	22.1	1086.0	24				
16A High-Capacity, AC Coil										
653-G5RL-1E-AC120	G5RL-1-E-AC115/120	A6	SPDT	5,35/5.70	11600.0	120VAC				
653-G5RL-1E-AC240	G5RL-1-E-AC230/240	A6	SPDT	2,76/2.88	47600.0	240VAC				
16A High-Capacity, High Inrush										
653-G5RL-1AEHR-DC5	G5RL-1A-E-HR-DC5	A5	SPST-NO	80.0	62.5	5				
653-G5RL-1AEHR-DC12	G5RL-1A-E-HR-DC12	A5	SPST-NO	33.3	360.0	12				
653-G5RL-1AEHR-DC24	G5RL-1A-E-HR-DC24	A5	SPST-NO	16.7	1440.0	24				
653-G5RL-1-E-HR-DC5	G5RL-1-E-HR-DC5	A6	SPDT	80.0	62.5	5				
653-G5RL-1-E-HR-DC12	G5RL-1-E-HR-DC12	A6	SPDT	33.3	360.0	12				
653-G5RL-1-E-HR-DC24	G5RL-1-E-HR-DC24	A6	SPDT	16.7	1440.0	24				
16A High-Capacity, Low Noise										
653-G5RL-1A-E-LN-DC5	G5RL-1A-E-LN-DC5	A5	SPST-NO	106.0	47.2	5				
653-G5RL-1A-ELNDC12	G5RL-1A-E-LN-DC12	A5	SPST-NO	44.2	272.0	12				
653-G5RL-1A-ELNDC24	G5RL-1A-E-LN-DC24	A5	SPST-NO	22.1	1086.0	24				

OMRON G5SB SERIES: SPDT COMPACT POWER PCB RELAYS

Specifications:

- Rated load: 3A(NO)/3A(NC) @ 125VAC
5A(NO)/3A(NC) @ 125VAC/30VDC
5A(NO) @ 250VAC
3A(NC) @ 250VAC
- Contact material: Ag alloy

Features:

- Switches up to 5A (NO)
- Ideal for fan control of air conditioners and heating control of small appliances
- Ensures an impulse withstand voltage of 8000V between coil and contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Flux Protected										
653-G5SB-1DC12	G5SB-1 DC12	B8	SPDT	33.3	360.0	12				
Sealed										
653-G5SB-1A4-DC5	G5SB-1A4-DC5	B9	SPST-NO	80.0	62.5	5				
653-G5SB-1A4-DC12	G5SB-1A4-DC12	B9	SPST-NO	33.3	360.0	12				
653-G5SB-14-DC5	G5SB-14-DC5	B8	SPDT	80.0	62.5	5				
653-G5SB-14-DC9	G5SB-14-DC9	B8	SPDT	44.4	202.0	9				
653-G5SB-14-DC12	G5SB-14-DC12	B8	SPDT	33.3	360.0	12				
653-G5SB-14-DC24	G5SB-14-DC24	B8	SPDT	16.7	1440.0	24				

RoHS Compliant This product is RoHS compliant.

OMRON G2R SERIES: VERSATILE POWER PCB RELAYS

Specifications:

- Rated load: @ 250VAC/30VDC
- 1-Pole (General Purpose/Upper Mount) 10A
- 1-Pole (High-Capacity) 16A
- 2-Pole (General Purpose) 5A
- 2-Pole (High-Sensitivity/Latching) 3A
- Contact material: Ag alloy

Features:

- Creepage distance of 8.0mm between coil and contact
- Highly stable magnetic circuit for latching endurance and excellent resistance to vibration and shock
- Safety-oriented design assures high surge resistance: 10,000V min. between coil and contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
General Purpose, Unsealed, Plug-in Terminals										
653-G2R-1-SDC6S	G2R-1-SDC6(S)	A1	SPDT	87.0	69	6				
LED Indicator and Diode, Unsealed, Plug-in Terminals										
653-G2R-1SND-DC12S	G2R-1SND-DC12S	A2	SPDT	43.6	275	12				
LED Indicator and Diode with Test Button, Unsealed										
653-G2R-1SNDI-DC24S	G2R-1SNDI-DC24S	A2	SPDT	21.6	1113	24				
General Purpose, Semi-Sealed, Non-Latching, PCB Terminals										
653-G2R-1A-DC24	G2R-1A-DC24	A3	SPST-NO	21.8	1100	24				
653-G2R-1-DC5	G2R-1-DC5	A4	SPDT	106.0	47	5				
653-G2R-1-DC12	G2R-1-DC12	A4	SPDT	43.6	275	12				
653-G2R-1-DC24	G2R-1-DC24	A4	SPDT	21.8	1100	24				
653-G2R-2A-DC12	G2R-2A-DC12	A5	DPST-NO	43.6	275	12				
653-G2R-2A-DC24	G2R-2A-DC24	A5	DPST-NO	21.8	1100	24				
653-G2R-2-DC5	G2R-2-DC5	A6	DPDT	106.0	47	5				
653-G2R-2-DC6	G2R-2-DC6	A6	DPDT	88.2	68	6				
653-G2R-2-DC12	G2R-2-DC12	A6	DPDT	43.6	275	12				
653-G2R-2-DC24	G2R-2-DC24	A6	DPDT	21.8	1100	24				
653-G2R-2-DC48	G2R-2-DC48	A6	DPDT	11.5	4170	48				
* 653-G2R-2-AC24	G2R-2-AC24	A6	DPDT	37.5	260	24VAC				
* 653-G2R-2-AC120	G2R-2-AC120	A6	DPDT	7.5	6500	120VAC				
General Purpose, Sealed, Non-Latching, PCB Terminals										
653-G2R-1A4-DC5	G2R-1A4-DC5	A3	SPST-NO	106.0	47	5				
653-G2R-1A4-DC12	G2R-1A4-DC12	A3	SPST-NO	43.6	275	12				
653-G2R-1A4-DC24	G2R-1A4-DC24	A3	SPST-NO	21.8	1100	24				
* 653-G2R-1A4-AC120	G2R-1A4-AC120	A3	SPST-NO	7.5	6500	120VAC				
653-G2R-14-DC5	G2R-14-DC5	A4	SPDT	106.0	47	5				
653-G2R-14-DC12	G2R-14-DC12	A4	SPDT	43.6	275	12				
653-G2R-14-DC24	G2R-14-DC24	A4	SPDT	21.8	1100	24				
653-G2R-14-DC48	G2R-14-DC48	A4	SPDT	11.5	4170	48				
* 653-G2R-14-AC24	G2R-14-AC24	A4	SPDT	37.5	260	24VAC				
* 653-G2R-14-AC120	G2R-14-AC120	A4	SPDT	7.5	6500	120VAC				
* 653-G2R-14-AC240	G2R-14-AC240	A4	SPDT	3.8	30,000	240VAC				
653-G2R-2A4-DC12	G2R-2A4-DC12	A5	DPST-NO	43.6	275	12				
653-G2R-2A4-DC24	G2R-2A4-DC24	A5	DPST-NO	21.8	1100	24				
653-G2R-24-DC5	G2R-24-DC5	A6	DPDT	106.0	47	5				
653-G2R-24-DC12	G2R-24-DC12	A6	DPDT	43.6	275	12				
653-G2R-24-DC24	G2R-24-DC24	A6	DPDT	21.8	1100	24				
* 653-G2R-24-AC24	G2R-24-AC24	A6	DPDT	37.5	260	24VAC				
* 653-G2R-24-AC120	G2R-24-AC120	A6	DPDT	7.5	6500	120VAC				
High-Capacity, Semi-Sealed, Non-Latching, PCB Terminals										
653-G2R-1A-E-DC5	G2R-1A-E-DC5	A7	SPST-NO	106.0	47	5				
653-G2R-1A-E-DC12	G2R-1A-E-DC12	A7	SPST-NO	43.6	275	12				
653-G2R-1A-E-DC24	G2R-1A-E-DC24	A7	SPST-NO	21.8	1100	24				
653-G2R-1A-E-DC48	G2R-1A-E-DC48	A7	SPST-NO	11.5	4170	48				
** 653-G2R-1A-E-T130-DC24	G2R-1A-E-T130-DC24	A7	SPST-NO	21.8	1100	24				
* 653-G2R-1A-E-AC120	G2R-1A-E-AC120	A7	SPST-NO	7.5	6500	120VAC				
653-G2R-1-E-DC5	G2R-1-E-DC5	A8	SPDT	106.0	47	5				
653-G2R-1-E-DC12	G2R-1-E-DC12	A8	SPDT	43.6	275	12				
653-G2R-1-E-DC18	G2R-1-E-DC18	A8	SPDT	29.4	612	18				
653-G2R-1-E-DC24	G2R-1-E-DC24	A8	SPDT	21.8	1100	24				
* 653-G2R-1-E-AC120	G2R-1-E-AC120	A8	SPDT	7.5	6500	120VAC				
Upper Mounting Bracket, Non-Latching, QC Terminals										
653-G2R-1A-T-DC12	G2R-1A-T-DC12	B9	SPST-NO	43.6	275	12				
653-G2R-1A-T-DC24	G2R-1A-T-DC24	B9	SPST-NO	21.8	1100	24				
* 653-G2R-1A-T-AC24	G2R-1A-T-AC24	B9	SPST-NO	37.5	260	24VAC				
* 653-G2R-1ATAC120	G2R-1A-T-AC120	B9	SPST-NO	7.5	6500	120VAC				
653-G2R-1-T-DC5	G2R-1-T-DC5	B10	SPDT	106.0	47	5				
* 653-G2R-1-T-AC24	G2R-1-T-AC24	B10	SPDT	37.5	260	24VAC				
* 653-G2R-1-T-AC120	G2R-1-T-AC120	B10	SPDT	7.5	6500	120VAC				
High-Sensitivity, Sealed, Non-Latching, PCB Terminals										
653-G2R-24-H-DC12	G2R-24-H-DC12	A6	DPDT	30.0	400	12				
Dual Coil Latching, Semi-Sealed										
† 653-G2RK-1-DC24	G2RK-1-DC24	C11	SPDT	34.6	694	24				
† 653-G2RK-2-DC12	G2RK-2-DC12	C12	DPDT	70.6	170	12				
† 653-G2RK-2-DC24	G2RK-2-DC24	C12	DPDT	34.6	694	24				

*Rated current @ 60Hz **Class B Insulation † Set Coil Ratings

OMRON G2RG SERIES: DPST-NO FULLY SEALED POWER PCB RELAYS

Specifications:

- Rated load: 8A @ 250VAC
- Contact material: AgSnO
- Power consumption: 800mW

Features:

- Power relay with 1.5mm contact gap
- Tracking resistance: CTI > 250V
- 10kV impulse withstand voltage between coil and contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
653-G2RG-2A4-DC12	G2RG-2A4-DC12	D13	66.6	180	12				
653-G2RG-2A4-DC24	G2RG-2A4-DC24	D13	33.3	720	24				

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

DIMENSIONS: mm

A

B

C

D

TERMINAL ARRANGEMENT

1

2

3

4

5

6

7

8

9

10

11

12

13

© Copyright 2014 Mouser Electronics

1766

mouser.com/omron

EUsales@mouser.com

OMRON G6B SERIES: SWITCHING, SUBMINIATURE POWER PCB RELAYS

Specifications:

- Rated load: 5A @ 250VAC/30VDC
8A @ 250VAC/30VDC for High-Capacity
- Contact material: Ag alloy
- Terminals: PCB straight

Features:

- Low power consumption: 200mW
- Unique moving loop armature reduces relay size, magnetic interference, and contact bounce time
- Fully sealed construction



*Reverse coil polarity

**Contact material: AgSnIn

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Non-Latching										
653-G6B-1114P-DC5	G6B-1114P-US-DC5	A1	SPST-NO	40.0	125.0	5				
653-G6B-1114PUSDC6	G6B-1114P-US-DC6	A1	SPST-NO	33.3	180.0	6				
653-G6B-1114P-DC12	G6B-1114P-US-DC12	A1	SPST-NO	16.7	720.0	12				
*653-G6B1114P1-DC12	G6B-1114P-1-US-DC12	A1	SPST-NO	16.7	720.0	12				
653-G6B-1114P-DC24	G6B-1114P-US-DC24	A1	SPST-NO	8.3	2880.0	24				
*653-G6B-1114P-1-DC24	G6B-1114P-1-US-DC24	A1	SPST-NO	8.3	2880.0	24				
**653-G6B1114PFDUSDC24	G6B-1114P-FD-US-DC24	A1	SPST-NO	8.3	2880.0	24				
*653-G6B-2114P-1-USDC5	G6B-2114P-1-US DC5	B2	SPST-NO+SPST-NC	40.0	125.0	5				
*653-G6B-2114P-DC6	G6B-2114P-US-DC6	B2	SPST-NO+SPST-NC	33.3	180.0	6				
*653-G6B2114P1USDC12	G6B-2114P-1-US-DC12	B2	SPST-NO+SPST-NC	16.7	720.0	12				
*653-G6B-2114P1-DC24	G6B-2114P-1-US-DC24	B2	SPST-NO+SPST-NC	8.3	2880.0	24				
653-G6B-2214P-DC5	G6B-2214P-US-DC5	B3	DPST-NO	60.0	83.3	5				
653-G6B-2214P-DC12	G6B-2214P-US-DC12	B3	DPST-NO	25.0	480.0	12				
653-G6B-2214P-DC24	G6B-2214P-US-DC24	B3	DPST-NO	12.5	1920.0	24				
*653-G6B2214P1USDC24	G6B-2214P-1-US DC24	B3	DPST-NO	12.5	1920.0	24				
653-G6B-2014P-USDC5	G6B-2014P-US DC5	B4	DPST-NC	60.0	83.3	5				
Dual-Coil Latching										
653-G6BK-1114P-DC5	G6BK-1114P-US-DC5	A5	SPST-NO	56.0	89.2	5				
653-G6BK-1114US-DC12	G6BK-1114P-US-DC12	A5	SPST-NO	23.3	515.0	12				
High-Capacity, Non-Latching										
653-G6B-1174P-DC5	G6B-1174P-US-DC5	C1	SPST-NO	60.0	83.3	5				
653-G6B-1174P-DC12	G6B-1174P-US-DC12	C1	SPST-NO	16.7	720.0	12				
653-G6B-1174P-DC24	G6B-1174P-US-DC24	C1	SPST-NO	8.3	2880.0	24				
**653-G6B1174PFDUSDC24	G6B-1174P-FD-US-DC24	C1	SPST-NO	8.3	2880.0	24				
Sockets for G6B Series										
653-P6B-04P	P6B-04P		G6B-1114P, G6B-1174P							
653-P6B-06P	P6B-06P		G6BK-1114P							
653-P6B-26P	P6B-26P		G6B-2114P, G6B-2214P							

OMRON G6C SERIES: SUBMINIATURE POWER PCB RELAYS

Specifications:

- Rated load: 10A @ 250VAC/30VDC SPST-NO
8A @ 250VAC/30VDC SPST-NO+SPST-NC
- Terminals: PCB straight

Features:

- Low power consumption: 200mW
- Unique moving loop armature reduces interference and contact bounce



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Non-Latching, Semi-sealed										
653-G6C-1117PUS-DC24	G6C-1117P-US-DC24	D1	SPST-NO	8.3	2880.0	24				
653-G6C-2117P-US-DC5	G6C-2117P-US-DC5	D2	SPST-NO+SPST-NC	40.0	125.0	5				
653-G6C-2117PUSDC8	G6C-2117P-US DC8	D2	SPST-NO+SPST-NC	25.0	320.0	8				
653-G6C-2117P-DC12	G6C-2117P-US-DC12	D2	SPST-NO+SPST-NC	16.7	720.0	12				
Non-Latching, Fully Sealed										
653-G6C-1114P-DC5	G6C-1114P-US-DC5	D1	SPST-NO	40.0	125.0	5				
653-G6C-1114P-DC12	G6C-1114P-US-DC12	D1	SPST-NO	16.7	720.0	12				
653-G6C-1114P-DC24	G6C-1114P-US-DC24	D1	SPST-NO	8.3	2880.0	24				
653-G6C-2114P-US-DC3	G6C-2114P-US-DC3	D2	SPST-NO+SPST-NC	67.0	45.0	3				
653-G6C-2114P-DC5	G6C-2114P-US-DC5	D2	SPST-NO+SPST-NC	40.0	125.0	5				
653-G6C-2114P-DC12	G6C-2114P-US-DC12	D2	SPST-NO+SPST-NC	16.7	720.0	12				
653-G6C-2114P-DC24	G6C-2114P-US-DC24	D2	SPST-NO+SPST-NC	8.3	2880.0	24				
Dual-Coil Latching, Fully Sealed										
653-G6CK-2114P-DC5	G6CK-2114P-US-DC5	D6	SPST-NO+SPST-NC	56.0	89.3	5				
Sockets for G6C Series										
653-P6C-06P	P6C-06P		G6C-1114P, G6C-2114P, G6C-2117P							

OMRON G6D-ASI SERIES: SLIM POWER PCB RELAYS

Specifications:

- Rated load: 5A @ 250VAC/30VDC
- Terminals: PCB straight

Features:

- Reduced board space ideal for high-density mounting
- Sealed construction allows automatic soldering and cleaning



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
653-G6D1A-ASI-DC5	G6D-1A-ASI-DC5	E7	SPST-NO	40.0	125.0	5				
653-G6D1A-ASI-DC12	G6D-1A-ASI-DC12	E7	SPST-NO	16.7	720.0	12				
653-G6D1A-ASI-DC24	G6D-1A-ASI-DC24	E7	SPST-NO	8.3	2880.0	24				
*653-G6D1AASINPDC24	G6D-1A-ASI-NP DC24	E7	SPST-NO	8.3	2880.0	24				
Sockets for G6D Series										
653-P6D-04P	P6D-04P		G6D							

OMRON G6DS SERIES: SLIM, MINIATURE POWER PCB RELAYS

Specifications:

- Rated load: 5A @ 250VAC/30VDC
- Power consumption: 180mW (120mW High-Sensitivity)

Features:

- Fully sealed
- Ideal for high-density mounting



For quantities greater than listed, call for quote.

Standard										
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
653-G6DS-1A-DC5	G6DS-1A-DC5	D8	SPST-NO	36.0	139.0	5				
653-G6DS-1A-DC12	G6DS-1A-DC12	D8	SPST-NO	15.0	800.0	12				
653-G6DS-1A-DC24	G6DS-1A-DC24	D8	SPST-NO	7.5	3200.0	24				
High-Sensitivity										
653-G6DS-1A-H-DC5	G6DS-1A-H-DC5	D8	SPST-NO	24.0	208.0	5				
653-G6DS-1A-H-DC12	G6DS-1A-H-DC12	D8	SPST-NO	10.0	1200.0	12				
653-G6DS-1A-H-DC24	G6DS-1A-H-DC24	D8	SPST-NO	5.0	4800.0	24				

DIMENSIONS: mm

TERMINAL ARRANGEMENT

OMRON G6M SERIES: SIL PACKAGE POWER PCB RELAYS

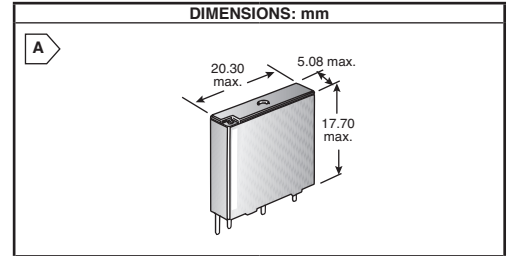
- Specifications:**
- Rated load: 3A @ 250VAC/30VDC
 - Power consumption: 120mW

- Features:**
- Fully sealed
 - Reduced area is ideal for high density mounting.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
653-G6M-1A-DC5	G6M-1A-DC5	A1	SPST-NO	24.0	208	5				
653-G6M-1A-DC12	G6M-1A-DC12	A1	SPST-NO	10.0	1200	12				
653-G6M-1A-DC24	G6M-1A-DC24	A1	SPST-NO	5.0	4800	24				



OMRON G6RL SERIES: LOW PROFILE POWER PCB RELAYS

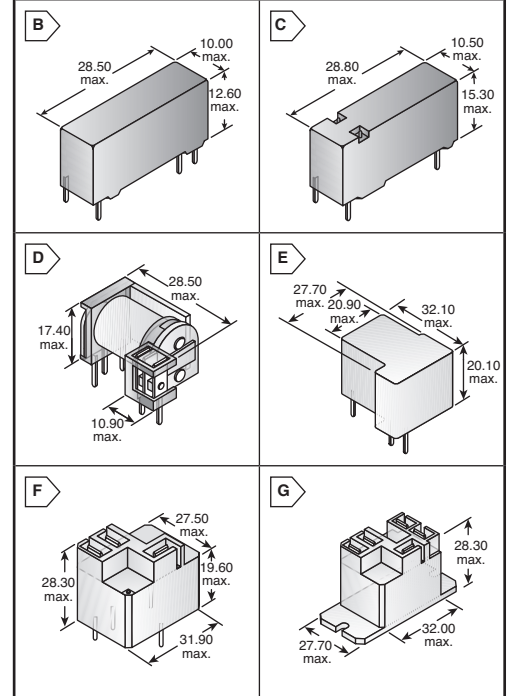
- Specifications:**
- Rated load: 10A @ 250VAC, NO 8A @ 250VAC / 5A @ 30VDC, NC 8A @ 250VAC / 5A @ 24VDC, NC 1(A), 1(A)4-AS)

- Features:**
- Max. switching capacity: 2500VA (NO)
 - Clearance and creepage distance: 10mm
 - Applications: Boilers, PLCs, I/O ports, timers



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Flux Protected, AgSnIn Contacts										
653-G6RL-1A-ASIDC24	G6RL-1A-ASI DC24	B2	SPST-NO	9.2	2618	24				
653-G6RL-1-ASIDC12	G6RL-1-ASI DC12	B3	SPDT	18.3	654	12				
Flux Protected, AgNi Contacts										
653-G6RL-1A-DC3	G6RL-1A-DC3	B2	SPST-NO	73.3	40	3				
653-G6RL-1A-DC5	G6RL-1A-DC5	B2	SPST-NO	44.0	113	5				
653-G6RL-1A-DC12	G6RL-1A-DC12	B2	SPST-NO	18.3	654	12				
653-G6RL-1A-DC24	G6RL-1A-DC24	B2	SPST-NO	9.2	2618	24				
653-G6RL-1-DC5	G6RL-1 DC5	B3	SPDT	44.0	113	5				
653-G6RL-1-DC12	G6RL-1-DC12	B3	SPDT	18.3	654	12				
653-G6RL-1-DC24	G6RL-1-DC24	B3	SPDT	9.2	2618	24				
Fully Sealed, AgSnIn Contacts										
653-G6RL-1A4-ASIDC5	G6RL-1A4-ASI DC5	B2	SPST-NO	44.0	113	5				
653-G6RL-1A4-ASIDC24	G6RL-1A4-ASI DC24	B2	SPST-NO	9.2	2618	24				
653-G6RL-14-ASIDC5	G6RL-14-ASI DC5	B3	SPDT	44.0	113	5				
653-G6RL-14-ASIDC12	G6RL-14-ASI DC12	B3	SPDT	18.3	654	12				
653-G6RL-14-ASIDC24	G6RL-14-ASI DC24	B3	SPDT	9.2	2618	24				



OMRON G6RN SERIES: HEAVY-DUTY, MINIATURE POWER PCB RELAYS

- Specifications:**
- Rated load: 8A @ 250VAC / 5A @ 30VDC
 - Contact material: Ag alloy + gold plating

- Features:**
- Sealed plastic construction
 - Ideal for switching contactors, solenoids and motors



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
653-G6RN-1A-DC5	G6RN-1A-DC5	C4	SPST-NO	43.9	114	5				
653-G6RN-1A-DC12	G6RN-1A DC12	C4	SPST-NO	18.3	655	12				
653-G6RN-1A-DC24	G6RN-1A DC24	C4	SPST-NO	9.2	2620	24				
653-G6RN-1-DC5	G6RN-1-DC5	C5	SPDT	43.9	114	5				
653-G6RN-1-DC12	G6RN-1-DC12	C5	SPDT	18.3	655	12				
653-G6RN-1-DC24	G6RN-1-DC24	C5	SPDT	9.2	2620	24				
653-G6RN-1-DC48	G6RN-1-DC48	C5	SPDT	5.2	9210	48				

OMRON G8PT SERIES: HEAVY-DUTY, COMPACT POWER PCB RELAYS

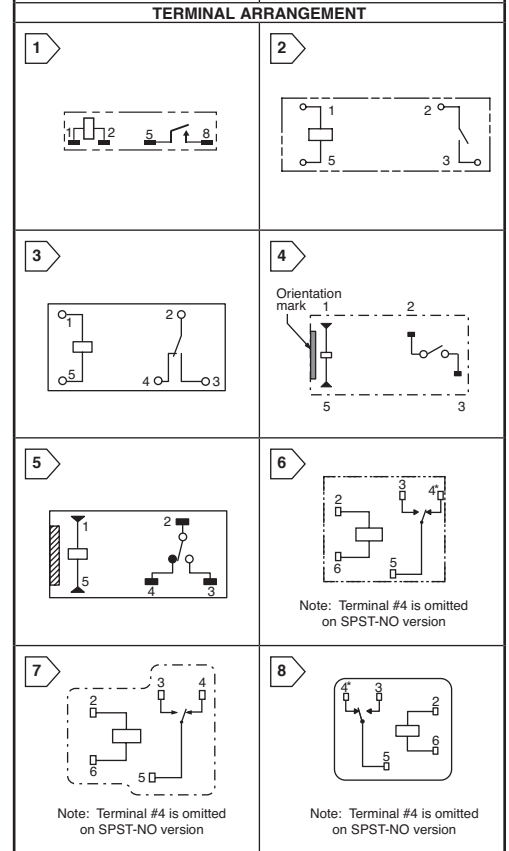
- Specifications:**
- Rated load: 30A @ 250VAC / 20A @ 28VDC SPST-NO 20(10A) @ 250VAC / 28VDC SPDT NO(NC)
 - Contact material: Ag alloy

- Features:**
- Up to 30A switching capacity in compact package
 - UL Class F coil insulation standard
 - Minimum 6kV impulse surge withstand



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
Open Frame, PCB Terminals										
653-G8P-1AP-DC5	G8P-1AP-DC5	D6	SPST-NO	185.0	27	5				
653-G8P-1APDC9	G8P-1AP DC9	D6	SPST-NO	93.0	97	9				
653-G8P-1AP-DC12	G8P-1AP-DC12	D6	SPST-NO	77.0	155	12				
653-G8P-1AP-DC24	G8P-1AP-DC24	D6	SPST-NO	36.0	660	24				
Sealed with Ventable Nib, PCB Terminals										
653-G8P-1A4P-DC5	G8P-1A4P-DC5	E7	SPST-NO	185.0	27	5				
653-G8P-1A4PDC9	G8P-1A4P DC9	E7	SPST-NO	93.0	97	9				
653-G8P-1A4P-DC12	G8P-1A4P-DC12	E7	SPST-NO	77.0	155	12				
653-G8P-1A4PDC15	G8P-1A4P DC15	E7	SPST-NO	59.0	256	15				
653-G8P-1A4P-DC18	G8P-1A4P-DC18	E7	SPST-NO	47.0	380	18				
653-G8P-1A4P-DC24	G8P-1A4P-DC24	E7	SPST-NO	36.0	660	24				
* 653-G8P1A4PVD241	G8P-1A4P-V DC24	E7	SPST-NO	36.0	660	24				
653-G8P-1A4P-DC110	G8P-1A4P-DC110	E7	SPST-NO	9.0	12400	110				
653-G8P-1C4P-DC5	G8P-1C4P-DC5	E7	SPDT	185.0	27	5				
653-G8P-1C4P-DC12	G8P-1C4P-DC12	E7	SPDT	77.0	155	12				
* 653-G8P1C4PVD2121	G8P-1C4P-V DC12	E7	SPDT	77.0	155	12				
* 653-G8P1C4PVD181	G8P-1C4P-V DC18	E7	SPDT	47.0	380	18				
653-G8P-1C4P-DC24	G8P-1C4P-DC24	E7	SPDT	36.0	660	24				
653-G8P-1C4P-DC48	G8P-1C4P-DC48	E7	SPDT	19.0	2480	48				
Sealed with Ventable Nib, PCB and QC #250 Load Terminals										
653-G8P-1A4TP-DC12	G8P-1A4TP-DC12	F6	SPST-NO	77.0	155	12				
653-G8P-1A4TP-DC18	G8P-1A4TP-DC18	F6	SPST-NO	47.0	380	18				
653-G8P-1A4TP-DC24	G8P-1A4TP-DC24	F6	SPST-NO	36.0	660	24				
653-G8P-1C4TP-DC12	G8P-1C4TP-DC12	F6	SPDT	77.0	155	12				
653-G8P-1C4TP-DC24	G8P-1C4TP-DC24	F6	SPDT	36.0	660	24				
Vented, Flange Mount with QC #187 Terminals										
653-G8P-1A2T-F-DC5	G8P-1A2T-F-DC5	G8	SPST-NO	185.0	27	5				
653-G8P-1A2T-F-DC12	G8P-1A2T-F-DC12	G8	SPST-NO	77.0	155	12				
653-G8P-1A2T-F-DC24	G8P-1A2T-F-DC24	G8	SPST-NO	36.0	660	24				
653-G8P-1C2T-FDC5	G8P-1C2T-F DC5	G8	SPDT	185.0	27	5				
653-G8P-1C2T-F-DC12	G8P-1C2T-F-DC12	G8	SPDT	77.0	155	12				
653-G8P-1C2T-F-DC24	G8P-1C2T-F-DC24	G8	SPDT	36.0	660	24				



PANASONIC Power Relays



This product is RoHS compliant.

Panasonic Power relays are RoHS compliant and ideal for Home Appliances, HVAC and vehicle applications as well as Lighting, Spa and Elevator Control and Industrial Equipment. Miniature package types for space savings with low power consumption. Polarized Latching types featuring high switching capacity and excellent vibration resistance Safety Relays, with EN50205 forcibly guided contacts High Capacity DC Cutoff types up to 300A General Purpose - available with sockets.

Panasonic

PRODUCT **NEW**

ALQ SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALQ105	ALQ105	A	10	5	1 Form C	Thru-Hole				
769-ALQ106	ALQ106	A	10	6	1 Form C	Thru-Hole				
769-ALQ109	ALQ109	A	10	9	1 Form C	Thru-Hole				
769-ALQ112	ALQ112	A	10	12	1 Form C	Thru-Hole				
769-ALQ118	ALQ118	A	10	18	1 Form C	Thru-Hole				
769-ALQ124	ALQ124	A	10	24	1 Form C	Thru-Hole				
769-ALQ305	ALQ305	A	10	5	1 Form A	Thru-Hole				
769-ALQ306	ALQ306	A	10	6	1 Form A	Thru-Hole				
769-ALQ309	ALQ309	A	10	9	1 Form A	Thru-Hole				
769-ALQ312	ALQ312	A	10	12	1 Form A	Thru-Hole				
769-ALQ318	ALQ318	A	10	18	1 Form A	Thru-Hole				
769-ALQ324	ALQ324	A	10	24	1 Form A	Thru-Hole				

For quantities greater than listed, call for quote.

ADW1 SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ADW1103W	ADW1103W	B	8	3	1 FORM A	PDB				
769-ADW1105W	ADW1105W	B	8	5	2 FORM A	PDB				
769-ADW1106W	ADW1106W	B	8	6	3 FORM A	PDB				
769-ADW1109W	ADW1109W	B	8	9	4 FORM A	PDB				
769-ADW1112W	ADW1112W	B	8	12	5 FORM A	PDB				
769-ADW1124W	ADW1124W	B	8	24	6 FORM A	PDB				
769-ADW1203W	ADW1203W	B	8	3	7 FORM A	PDB				
769-ADW1205W	ADW1205W	B	8	5	8 FORM A	PDB				
769-ADW1206W	ADW1206W	B	8	6	9 FORM A	PDB				
769-ADW1209W	ADW1209W	B	8	9	10 FORM A	PDB				
769-ADW1212W	ADW1212W	B	8	12	11 FORM A	PDB				
769-ADW1224W	ADW1224W	B	8	24	12 FORM A	PDB				

For quantities greater than listed, call for quote.

ALZ SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALZ21F24	ALZ21F24	C	16	24	1 Form A	PCB				
769-ALZ12B12	ALZ12B12	C	16	12	1 Form C	PCB				
769-ALZ12B24	ALZ12B24	C	16	24	1 Form C	PCB				
769-ALZ12F12	ALZ12F12	C	16	12	1 Form C	PCB				
769-ALZ12F24	ALZ12F24	C	16	24	1 Form C	PCB				

For quantities greater than listed, call for quote.

ADJ SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ADJ23005	ADJ23005	D	16	5	1 Form A	PCB				
769-ADJ24005	ADJ24005	D	16	5	1 Form A	PCB				
769-ADJ14005	ADJ14005	D	16	5	1 Form C	PCB				
769-ADJ14012	ADJ14012	D	16	12	1 Form C	PCB				

For quantities greater than listed, call for quote.

ALF SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALF1P12	ALF1P12	E	20	12	1 Form A	PCB				
769-ALF1T12	ALF1T12	F	20	12	1 Form A	TMP				
769-ALF1T24	ALF1T24	D	20	24	1 Form A	TMP				

For quantities greater than listed, call for quote.

JC SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JC1AF-DC12V-F	JC1AF-DC12V-F	G	15	12	1 Form A	PCB				
769-JC1AF-DC24V-F	JC1AF-DC24V-F	G	15	24	1 Form A	PCB				

For quantities greater than listed, call for quote.

JM SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JM1AN-TMP-DC5V-F	JM1AN-TMP-DC5V-F	H	20	5	1 Form A	TMP				

For quantities greater than listed, call for quote.

JTN SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JTN1ASPAFDC12V	JTN1AS-PA-F-DC12V	I	30	12	1 Form A	PCB				
769-JTN1ASPAFDC24V	JTN1AS-PA-F-DC24V	I	30	24	1 Form A	PCB				
769-JTN1AS-PA-F-DC5V	JTN1AS-PA-F-DC5V	I	30	5	1 Form A	PCB				
769-JTN1S-PA-F-DC12V	JTN1S-PA-F-DC12V	I	10/20	12	1 Form C	PCB				
769-JTN1S-PA-F-DC24V	JTN1S-PA-F-DC24V	I	10/20	24	1 Form C	PCB				
769-JTN1ASTMPFDC12V	JTN1AS-TMP-F-DC12V	I	30	12	1 Form A	TMP				
769-JTN1ASTMPFDC24V	JTN1AS-TMP-F-DC24V	I	30	24	1 Form A	TMP				
769-JTN1ASTMPFDC5V	JTN1AS-TMP-F-DC5V	I	30	5	1 Form A	TMP				
769-JTN1ASTMPFDC6V	JTN1AS-TMP-F-DC6V	I	30	6	1 Form A	TMP				
769-JTN1STMPFDC12V	JTN1S-TMP-F-DC12V	I	10/20	12	1 Form C	TMP				

For quantities greater than listed, call for quote.

LK SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-LK1AF-12V	LK1AF-12V	J	5	12	1 Form A	PCB				
769-LK1AF-24V	LK1AF-24V	J	5	24	1 Form A	PCB				

For quantities greater than listed, call for quote.

PA SERIES

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-PA1A-12V	PA1A-12V	K	5	12	1 Form A	PCB				
769-PA1A-24V	PA1A-24V	K	5	24	1 Form A	PCB				
769-PA1A-5V	PA1A-5V	K	5	5	1 Form A	PCB				

For quantities greater than listed, call for quote.

PQ SERIES

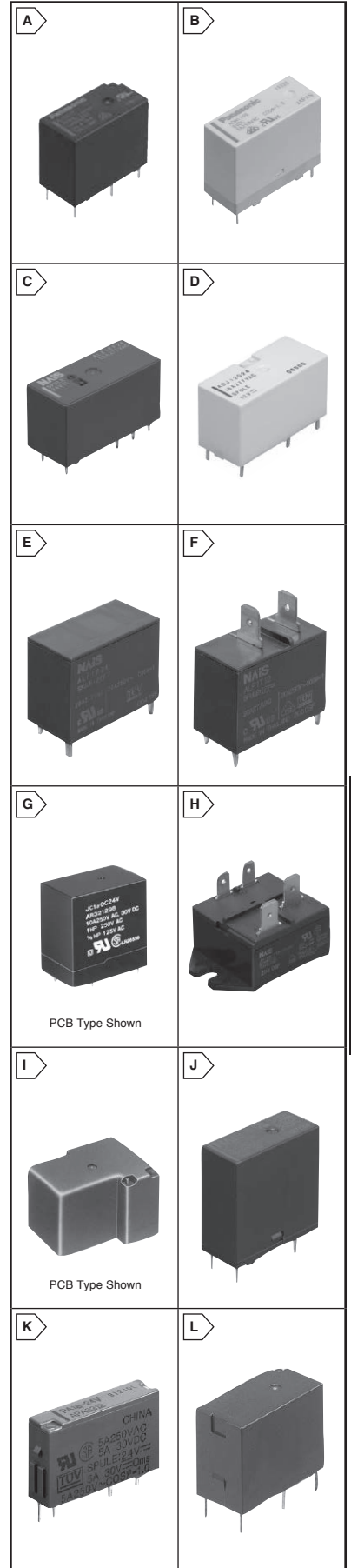
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-PQ1A-24V	PQ1A-24V	L	5	24	1 Form A	PCB				

For quantities greater than listed, call for quote.

SOCKETS

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-PA1A-PS	PA1A-PS	For PA1A Relays				

For quantities greater than listed, call for quote.



Panasonic PCB Relays

PANASONIC Power Relays



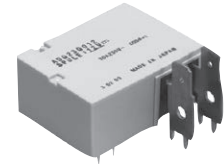
Panasonic Power relays are RoHS compliant and ideal for Home Appliances, HVAC and vehicle applications as well as Lighting, Spa and Elevator Control and Industrial Equipment.

Miniature package types for space savings with low power consumption. Polarized Latching types featuring high switching capacity and excellent vibration resistance Safety Relays, with EN50205 forcibly guided contacts High Capacity DC Cutoff types up to 300A General Purpose - available with sockets.

ADQ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ADQ23Q012	ADQ23Q012	A	30	12	1 Form A	PCB				
769-ADQ23Q04H	ADQ23Q04H	A	30	4.5	1 Form A	PCB				



ALA SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALA2F05	ALA2F05	B	3	5	2 Form A	PCB				
769-ALA2F24	ALA2F24	B	3	24	2 Form A	PCB				
769-ALA2PF12	ALA2PF12	B	5	12	2 Form A	PCB				

ALD SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALD112	ALD112	C	3	12	1 Form A	PCB				
769-ALD124	ALD124	C	3	24	1 Form A	PCB				



ALE SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-ALE14B24	ALE14B24	D	16	24	1 Form A	PCB				
769-ALE1PB24	ALE1PB24	D	16	24	1 Form A	PCB				

DK SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
Non-Latching										
769-DK1A-12V-F	DK1A-12V-F	E	10	12	1 Form A	PCB				
769-DK1A1B-12V	DK1A1B-12V	E	8	12	1FormA/1FormB	PCB				
769-DK1A1B-24V	DK1A1B-24V	E	8	24	1FormA/1FormB	PCB				
769-DK1A1B-5V	DK1A1B-5V	E	8	5	1FormA/1FormB	PCB				
769-DK1A-24V-F	DK1A-24V-F	E	8	24	1FormA/1FormB	PCB				
769-DK1A-5V-F	DK1A-5V-F	E	10	5	1 Form A	PCB				
769-DK2A-12V	DK2A-12V	E	8	12	2 Form A	PCB				
769-DK2A-24V	DK2A-24V	E	8	24	2 Form A	PCB				
769-DK2A-5V	DK2A-5V	E	8	5	2 Form A	PCB				
Dual Coil Latching										
769-DK1A-L2-24V-F	DK1A-L2-24V-F	E	10	24	1 Form A	PCB				
769-DK1A-L2-12V-F	DK1A-L2-12V-F	E	10	12	1 Form A	PCB				
769-DK1A1B-L2-12V	DK1A1B-L2-12V	E	8	12	1FormA/1FormB	PCB				
769-DK1A1B-L2-5V	DK1A1B-L2-5V	E	8	5	1FormA/1FormB	PCB				
769-DK2A-L2-12V	DK2A-L2-12V	E	8	12	2 Form A	PCB				
769-DK2A-L2-5V	DK2A-L2-5V	E	8	5	2 Form A	PCB				



DSP SERIES

For quantities greater than listed, call for quote.

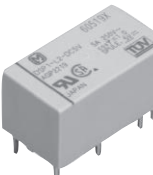
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
Non-Latching										
769-DSP1A-DC12V	DSP1A-DC12V	F	8	12	1 Form A	PCB				
769-DSP1A-DC24V	DSP1A-DC24V	F	8	24	1 Form A	PCB				
769-DSP1A-DC5V	DSP1A-DC5V	F	8	5	1 Form A	PCB				
769-DSP1A-DC9V	DSP1A-DC9V	F	8	9	1 Form A	PCB				
769-DSP2A-DC12V	DSP2A-DC12V	F	5	12	2 Form A	PCB				
769-DSP2A-DC24V	DSP2A-DC24V	F	5	24	2 Form A	PCB				
769-DSP2A-DC5V	DSP2A-DC5V	F	5	5	2 Form A	PCB				
769-DSP1-DC12V-F	DSP1-DC12V-F	F	5	12	1FormA/1FormB	PCB				
769-DSP1-DC5V-F	DSP1-DC5V-F	F	5	5	1FormA/1FormB	PCB				
769-DSP1-DC6V-F	DSP1-DC6V-F	F	5	6	1FormA/1FormB	PCB				
Dual Coil Latching										
769-DSP1A-L2-DC12V	DSP1A-L2-DC12V	F	8	12	1 Form A	PCB				
769-DSP1A-L2-DC24V	DSP1A-L2-DC24V	F	8	24	1 Form A	PCB				
769-DSP1A-L2-DC5V	DSP1A-L2-DC5V	F	8	5	1 Form A	PCB				
769-DSP2A-L2-DC12V	DSP2A-L2-DC12V	F	5	12	2 Form A	PCB				
769-DSP2A-L2-DC24V	DSP2A-L2-DC24V	F	5	24	2 Form A	PCB				
769-DSP2A-L2-DC5V	DSP2A-L2-DC5V	F	5	5	2 Form A	PCB				
769-DSP1-L2-DC12V-F	DSP1-L2-DC12V-F	F	5	12	1FormA/1FormB	PCB				
769-DSP1-L2-DC24V-F	DSP1-L2-DC24V-F	F	5	24	1FormA/1FormB	PCB				
769-DSP1-L2-DC5V-F	DSP1-L2-DC5V-F	F	5	5	1FormA/1FormB	PCB				



SOCKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-DSP1A-PS	DSP1A-PS	For DSP1A Relays				
769-DSP2A-PS	DSP2A-PS	For DSP2A Relays				
769-DSP2A-PSL2	DSP2A-PSL2	For DSP2A-L2 Relays				
769-AHNA21	AHNA21	For AHN2 Relays, Screw Terminals				
769-DK1A-PS	DK1A-PS	For DK1 PC Mount				
769-DK2A-PS	DK2A-PS	For DK1A1B PC Mount				



PANASONIC Power Relays



This product is RoHS compliant.

Panasonic Power relays are RoHS compliant and ideal for Home Appliances, HVAC and vehicle applications as well as Lighting, Spa and Elevator Control and Industrial Equipment.

Miniature package types for space savings with low power consumption. Polarized Latching types featuring high switching capacity and excellent vibration resistance Safety Relays, with ENS0205 forcibly guided contacts High Capacity DC Cutoff types up to 300A General Purpose - available with sockets.

Panasonic

HC SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HC1-H-DC12V-F	HC1-H-DC12V-F	A	10	12VDC	1 Form C	Plug-In				
769-HC2-H-AC115V-F	HC2-H-AC115V-F	A	7	115VAC	2 Form C	Plug-In				
769-HC2-H-AC240V-F	HC2-H-AC240V-F	A	7	220/240VAC	2 Form C	Plug-In				
769-HC2-H-AC24V-F	HC2-H-AC24V-F	A	7	24VAC	2 Form C	Plug-In				
769-HC2-H-DC12V-F	HC2-H-DC12V-F	A	7	12VDC	2 Form C	Plug-In				
769-HC2-H-DC24V-F	HC2-H-DC24V-F	A	7	24VDC	2 Form C	Plug-In				
769-HC2-H-DC6V-F	HC2-H-DC6V-F	A	7	6VDC	2 Form C	Plug-In				
769-HC3-H-AC115V-F	HC3-H-AC115V-F	A	7	115VAC	3 Form C	Plug-In				
769-HC3-H-DC24V-F	HC3-H-DC24V-F	A	7	24VDC	3 Form C	Plug-In				
769-HC4-H-AC115V	HC4-H-AC115V	A	5	115VAC	4 Form C	Plug-In				
769-HC4-H-AC24V	HC4-H-AC24V	A	5	24VAC	4 Form C	Plug-In				
769-HC4-H-DC12V	HC4-H-DC12V	A	5	12VDC	4 Form C	Plug-In				
769-HC4D-H-AC115V	HC4D-H-AC115V	A	5	115VAC	4 Form C	Plug-In				
769-HC4D-H-DC24V	HC4D-H-DC24V	A	5	24VDC	4 Form C	Plug-In				
769-HC4-H-DC24V	HC4-H-DC24V	A	5	24VDC	4 Form C	Plug-In				
769-HC1-HP-DC24V-F	HC1-HP-DC24V-F	B	10	24VDC	1 Form C	PCB				
769-HC2-HP-AC115V-F	HC2-HP-AC115V-F	B	7	115VAC	2 Form C	PCB				
769-HC2-HP-AC24V-F	HC2-HP-AC24V-F	B	7	24VAC	2 Form C	PCB				
769-HC2-HP-DC12V-F	HC2-HP-DC12V-F	B	7	12VDC	2 Form C	PCB				
769-HC2-HP-DC24V-F	HC2-HP-DC24V-F	B	7	24VDC	2 Form C	PCB				
769-HC3-HP-DC24V-F	HC3-HP-DC24V-F	B	7	24VDC	3 Form C	PCB				
769-HC4D-HP-AC115V	HC4D-HP-AC115V	B	5	115VAC	4 Form C	PCB				
769-HC4-HP-AC115V	HC4-HP-AC115V	B	5	115VAC	4 Form C	PCB				
769-HC4-HP-DC12V	HC4-HP-DC12V	B	5	12VDC	4 Form C	PCB				
769-HC4-HP-DC24V	HC4-HP-DC24V	B	5	24VDC	4 Form C	PCB				

HE SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HE1AN-AC120V	HE1AN-AC120V	C	30	120VAC	1 Form A	Plug-In				
769-HE1AN-AC240V	HE1AN-AC240V	C	30	240VAC	1 Form A	Plug-In				
769-HE1AN-AC24V	HE1AN-AC24V	C	30	24VAC	1 Form A	Plug-In				
769-HE1AN-DC12V	HE1AN-DC12V	C	30	12VDC	1 Form A	Plug-In				
769-HE1AN-DC24V	HE1AN-DC24V	C	30	24VDC	1 Form A	Plug-In				
769-HE2AN-DC12V	HE2AN-DC12V	C	20	12VDC	2 Form A	Plug-In				
769-HE2AN-DC24V	HE2AN-DC24V	C	20	24VDC	2 Form A	Plug-In				
769-HE1AN-Q-AC120V	HE1AN-Q-AC120V	C	30	120VAC	1 Form A	Top Mount				
769-HE1AN-Q-DC12V	HE1AN-Q-DC12V	C	30	12VDC	1 Form A	Top Mount				
769-HE1AN-Q-DC24V	HE1AN-Q-DC24V	C	30	24VDC	1 Form A	Top Mount				
769-HE1AN-Q-DC48V	HE1AN-Q-DC48V	C	30	48VDC	1 Form A	Top Mount				
769-HE2AN-Q-AC120V	HE2AN-Q-AC120V	C	20	120VAC	2 Form A	Top Mount				
769-HE2AN-Q-AC240V	HE2AN-Q-AC240V	C	20	240VAC	2 Form A	Top Mount				
769-HE2AN-Q-AC24V	HE2AN-Q-AC24V	C	20	24VAC	2 Form A	Top Mount				
769-HE2AN-Q-DC12V	HE2AN-Q-DC12V	C	25	12VDC	2 Form A	Top Mount				
769-HE2AN-Q-DC24V	HE2AN-Q-DC24V	C	25	24VDC	2 Form A	Top Mount				
769-HE1AN-S-AC120V	HE1AN-S-AC120V	C	30	120VAC	1 Form A	Screw Term.				
769-HE1AN-S-DC12V	HE1AN-S-DC12V	C	30	12VDC	1 Form A	Screw Term.				
769-HE1AN-S-DC24V	HE1AN-S-DC24V	C	30	24VDC	1 Form A	Screw Term.				
769-HE2AN-S-DC24V	HE2AN-S-DC24V	C	25	24VDC	2 Form A	Screw Term.				
769-HE2AN-SW-DC24V	HE2AN-SW-DC24V	C	25	24VDC	2 Form A	Screw Term.				

HG SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HG2-AC115V-F	HG2-AC115V-F	D	20	115VAC	2 Form C	Top Mount				
769-HG2-AC24V-F	HG2-AC24V-F	D	20	24VAC	2 Form C	Top Mount				
769-HG2-DC12V-F	HG2-DC12V-F	D	20	12VDC	2 Form C	Top Mount				
769-HG2-DC24V-F	HG2-DC24V-F	D	20	24VDC	2 Form C	Top Mount				
769-HG3-DC24V-F	HG3-DC24V-F	D	20	24VDC	3 Form C	Top Mount				

HJ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HJ4-DC12V	HJ4-DC12V	--	5	12VDC	4 Form C	Plug-In				
769-HJ4-L-DC24V	HJ4-L-DC24V	--	5	24VDC	4 Form C	Plug-In				

HL SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-HL1-H-DC12V-F	HL1-H-DC12V-F	E	15	12VDC	1 Form C	Plug-In				
769-HL1-H-DC24V-F	HL1-H-DC24V-F	E	15	24VDC	1 Form C	Plug-In				
769-HL2-H-AC120V-F	HL2-H-AC120V-F	E	10	110/120VAC	2 Form C	Plug-In				
769-HL2-H-AC24V-F	HL2-H-AC24V-F	E	10	24VAC	2 Form C	Plug-In				
769-HL2-H-DC12V-F	HL2-H-DC12V-F	E	10	12VDC	2 Form C	Plug-In				
769-HL2-H-DC24V-F	HL2-H-DC24V-F	E	10	24VDC	2 Form C	Plug-In				
769-HL1-HTM-AC120V-F	HL1-HTM-AC120V-F	E	15	110/120VAC	1 Form C	Top Mount				
769-HL1-HTM-AC24V-F	HL1-HTM-AC24V-F	E	15	24VAC	1 Form C	Top Mount				
769-HL1-HTM-DC24V-F	HL1-HTM-DC24V-F	E	15	24VDC	1 Form C	Top Mount				
769-HL2-HTM-AC24V-F	HL2-HTM-AC24V-F	E	10	24VAC	2 Form C	Top Mount				
769-HL2-HTM-DC12V-F	HL2-HTM-DC12V-F	E	10	12VDC	2 Form C	Top Mount				
769-HL2-HP-AC120V-F	HL2-HP-AC120V-F	E	10	110/120VAC	2 Form C	PCB				
769-HL2-HP-DC12V-F	HL2-HP-DC12V-F	E	10	12VDC	2 Form C	PCB				
769-HL2-HP-DC24V-F	HL2-HP-DC24V-F	E	10	24VDC	2 Form C	PCB				

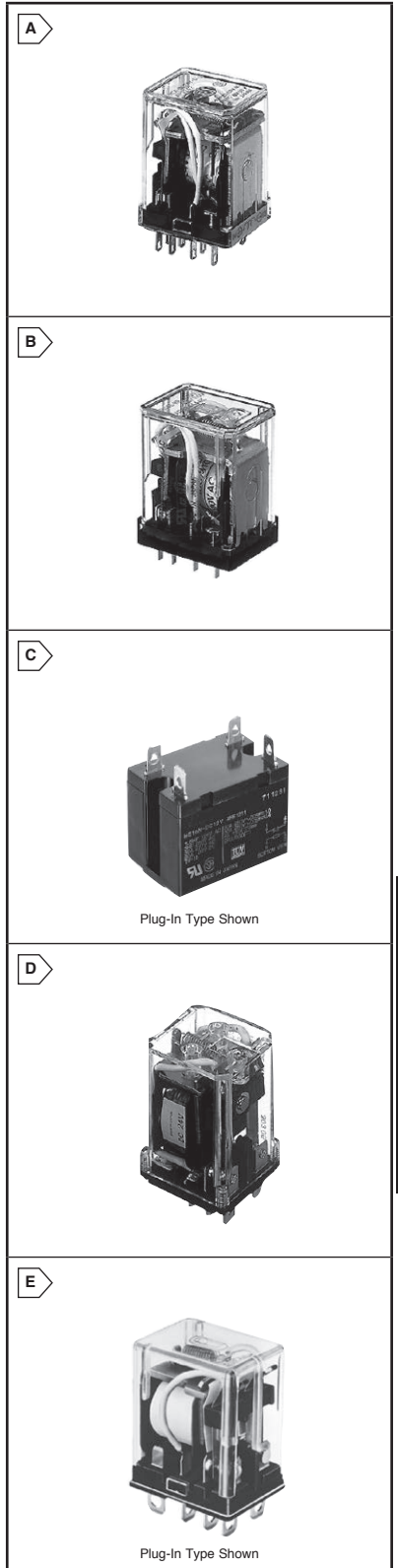
SOCKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-HC1-SS-K	HC1-SS-K	For HC1 Relays Solder Tab				
769-HC2-PS-K	HC2-PS-K	With Clip for HC2 Relays				
769-HC2-SF-K	HC2-SF-K	With Clip for HC2 Relays				
769-HC3-PS-K	HC3-PS-K	With Clip for HC3 Relays				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-HC4-HSF-K	HC4-HSF-K	For HC4 Relays Front Wire				
769-HC4-PS-K	HC4-PS-K	With Clip for HC4 Relays				
769-HL2-PS-K	HL2-PS-K	For HL2 Relays PCB				
769-HL2-SFD-K	HL2-SFD-K	For HL2 Relays Screw DIN				



Panasonic

PCB Relays

PANASONIC Power Relays

Panasonic

Panasonic Power relays are RoHS compliant and ideal for Home Appliances, HVAC and vehicle applications as well as Lighting, Spa and Elevator Control and Industrial Equipment.
 Miniature package types for space savings with low power consumption. Polarized Latching types featuring high switching capacity and excellent vibration resistance Safety Relays, with EN50205 forcibly guided contacts High Capacity DC Cutoff types up to 300A General Purpose - available with sockets.

JQ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JQ1A-12V	JQ1A-12V	A	5	12	1 Form A	PCB				
769-JQ1A-12V-F	JQ1A-12V-F	A	5	12	1 Form A	PCB				
769-JQ1A-24V-F	JQ1A-24V-F	A	5	24	1 Form A	PCB				
769-JQ1A-5V	JQ1A-5V	A	5	5	1 Form A	PCB				
769-JQ1A-5V-F	JQ1A-5V-F	A	5	5	1 Form A	PCB				
769-JQ1AP-12V	JQ1AP-12V	A	10	12	1 Form A	PCB				
769-JQ1AP-12V-F	JQ1AP-12V-F	A	10	12	1 Form A	PCB				
769-JQ1AP-24V	JQ1AP-24V	A	10	24	1 Form A	PCB				
769-JQ1AP-24V-F	JQ1AP-24V-F	A	10	24	1 Form A	PCB				
769-JQ1AP-5V	JQ1AP-5V	A	5	5	1 Form A	PCB				
769-JQ1AP-5V-F	JQ1AP-5V-F	A	5	5	1 Form A	PCB				
769-JQ1-12V-F	JQ1-12V-F	A	5	12	1 Form C	PCB				
769-JQ1-24V	JQ1-24V	A	5	24	1 Form C	PCB				
769-JQ1-24V-F	JQ1-24V-F	A	5	24	1 Form C	PCB				
769-JQ1-5V	JQ1-5V	A	5	5	1 Form C	PCB				
769-JQ1-5V-F	JQ1-5V-F	A	5	5	1 Form C	PCB				
769-JQ1P-12V	JQ1P-12V	A	10	12	1 Form C	PCB				
769-JQ1P-24V	JQ1P-24V	A	10	24	1 Form C	PCB				
769-JQ1P-24V-F	JQ1P-24V-F	A	10	24	1 Form C	PCB				
769-JQ1P-5V	JQ1P-5V	A	10	5	1 Form C	PCB				
769-JQ1P-5V-F	JQ1P-5V-F	A	10	5	1 Form C	PCB				
769-JQ1-12V	JQ1-12V	A	5	12	1 Form C	SMD				



PCB Type Shown

JS SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JS1A-12V-F	JS1A-12V-F	B	10	12	1 Form A	PCB				
769-JS1A-24V-F	JS1A-24V-F	B	10	24	1 Form A	PCB				
769-JS1A-48V-F	JS1A-48V-F	B	10	48	1 Form A	PCB				
769-JS1A-5V-F	JS1A-5V-F	B	10	5	1 Form A	PCB				
769-JS1-12V-F	JS1-12V-F	B	10	12	1 Form C	PCB				
769-JS1-24V-F	JS1-24V-F	B	10	24	1 Form C	PCB				
769-JS1-48V-F	JS1-48V-F	B	10	48	1 Form C	PCB				
769-JS1-5V-F	JS1-5V-F	B	10	5	1 Form C	PCB				
769-JS1-6V-F	JS1-6V-F	B	10	6	1 Form C	PCB				
769-JS1-9V-F	JS1-9V-F	B	10	9	1 Form C	PCB				
769-JS1-B-12V-F	JS1-B-12V-F	B	10	12	1 Form C	PCB				
769-JS1-B-24V-F	JS1-B-24V-F	B	10	24	1 Form C	PCB				



JVN SERIES

For quantities greater than listed, call for quote.

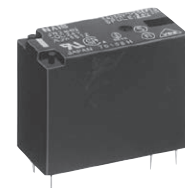
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JVN1A-12V-F	JVN1A-12V-F	C	10/20	12	1 Form A	PCB				



JW SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JW1AFSN-B-DC12V	JW1AFSN-B-DC12V	D	10	12	1 Form A	PCB				
769-JW1AFSN-DC24V	JW1AFSN-DC24V	D	10	24	1 Form A	PCB				
769-JW1AFSN-B-DC12V	JW1AFSN-B-DC12V	D	10	12	1 Form C	PCB				
769-JW1AFSN-B-DC24V	JW1AFSN-B-DC24V	D	10	24	1 Form C	PCB				
769-JW1AFSN-B-DC5V	JW1AFSN-B-DC5V	D	10	5	1 Form C	PCB				
769-JW1AFSN-DC12V	JW1AFSN-DC12V	D	10	12	1 Form C	PCB				
769-JW1AFSN-DC24V	JW1AFSN-DC24V	D	10	24	1 Form C	PCB				
769-JW1AFSN-DC48V	JW1AFSN-DC48V	D	10	48	1 Form C	PCB				
769-JW1AFSN-DC5V	JW1AFSN-DC5V	D	10	5	1 Form C	PCB				
769-JW1AFSN-DC6V	JW1AFSN-DC6V	D	10	6	1 Form C	PCB				
769-JW1AFSN-DC9V	JW1AFSN-DC9V	D	10	9	1 Form C	PCB				
769-JW2ASN-DC12V	JW2ASN-DC12V	D	5	12	2 Form A	PCB				
769-JW2ASN-DC24V	JW2ASN-DC24V	D	5	24	2 Form A	PCB				
769-JW2ASN-DC5V	JW2ASN-DC5V	D	5	5	2 Form A	PCB				
769-JW2SN-B-DC12V	JW2SN-B-DC12V	D	5	12	2 Form C	PCB				
769-JW2SN-DC12V	JW2SN-DC12V	D	5	12	2 Form C	PCB				
769-JW2SN-DC24V	JW2SN-DC24V	D	5	24	2 Form C	PCB				
769-JW2SN-DC48V	JW2SN-DC48V	D	5	48	2 Form C	PCB				
769-JW2SN-DC5V	JW2SN-DC5V	D	5	5	2 Form C	PCB				
769-JW2SN-DC6V	JW2SN-DC6V	D	5	6	2 Form C	PCB				
769-JW2SN-DC9V	JW2SN-DC9V	D	5	9	2 Form C	PCB				



SOCKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-JW1-PS	JW1-PS	For JW1 Series				
769-JW2-PS	JW2-PS	For JW2 Relays				

Panasonic PCB Relays

A

B

C

D

PANASONIC Power Relays



This product is RoHS compliant.

Panasonic Power relays are RoHS compliant and ideal for Home Appliances, HVAC and vehicle applications as well as Lighting, Spa and Elevator Control and Industrial Equipment.

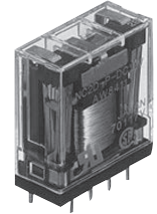
Miniature package types for space savings with low power consumption. Polarized Latching types featuring high switching capacity and excellent vibration resistance Safety Relays, with EN50205 forcibly guided contacts High Capacity DC Cutoff types up to 300A General Purpose - available with sockets.

Panasonic

NC SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Nominal Coil Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-NC2D-DC12V	NC2D-DC12V	A	5	12	2 Form C	Plug-In				
769-NC2D-DC24V	NC2D-DC24V	A	5	24	2 Form C	Plug-In				
769-NC2EBD-DC24V	NC2EBD-DC24V	A	3	24	2 Form C	Plug-In				
769-NC4D-DC24V	NC4D-DC24V	A	4	24	4 Form C	Plug-In				
769-NC4EBD-DC24V	NC4EBD-DC24V	A	2	24	4 Form C	Plug-In				
769-NC2D-JP-DC12V	NC2D-JP-DC12V	A	5	12	2 Form C	PCB				
769-NC2D-JP-DC24V	NC2D-JP-DC24V	A	5	24	2 Form C	PCB				
769-NC2D-JP-DC5V	NC2D-JP-DC5V	A	5	5	2 Form C	PCB				
769-NC2D-P-DC12V	NC2D-P-DC12V	A	5	12	2 Form C	PCB				
769-NC2D-P-DC24V	NC2D-P-DC24V	A	5	24	2 Form C	PCB				
769-NC2D-P-DC5V	NC2D-P-DC5V	A	5	5	2 Form C	PCB				
769-NC2EBD-JP-DC12V	NC2EBD-JP-DC12V	A	3	12	2 Form C	PCB				
769-NC2EBD-JP-DC24V	NC2EBD-JP-DC24V	A	3	24	2 Form C	PCB				
769-NC2EBD-JP-DC5V	NC2EBD-JP-DC5V	A	3	5	2 Form C	PCB				
769-NC2EBD-P-DC12V	NC2EBD-P-DC12V	A	3	12	2 Form C	PCB				
769-NC2EBD-P-DC24V	NC2EBD-P-DC24V	A	3	24	2 Form C	PCB				
769-NC4D-JP-DC12V	NC4D-JP-DC12V	A	4	12	4 Form C	PCB				
769-NC4D-JP-DC24V	NC4D-JP-DC24V	A	4	24	4 Form C	PCB				
769-NC4D-JP-DC5V	NC4D-JP-DC5V	A	4	5	4 Form C	PCB				
769-NC4D-P-DC5V	NC4D-P-DC5V	A	4	5	4 Form C	PCB				
769-NC4EBD-JP-DC12V	NC4EBD-JP-DC12V	A	2	12	4 Form C	PCB				
769-NC4EBD-JP-DC24V	NC4EBD-JP-DC24V	A	2	24	4 Form C	PCB				
769-NC4EBD-P-DC12V	NC4EBD-P-DC12V	A	2	12	4 Form C	PCB				

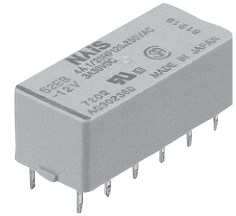


PCB Type Shown

S SERIES

For quantities greater than listed, call for quote.

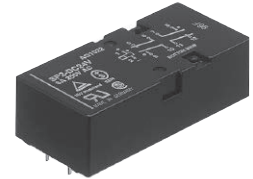
769-S2EB-12V	S2EB-12V	B	4	12	2 Form A/2 Form B	PCB				
769-S2EB-24V	S2EB-24V	B	4	24	2 Form A/2 Form B	PCB				
769-S2EB-48V	S2EB-48V	B	4	48	2 Form A/2 Form B	PCB				
769-S2EB-5V	S2EB-5V	B	4	5	2 Form A/2 Form B	PCB				
769-S2EB-6V	S2EB-6V	B	4	6	2 Form A/2 Form B	PCB				
769-S2EB-L2-12V	S2EB-L2-12V	B	4	12	2 Form A/2 Form B	PCB				
769-S2EB-L2-24V	S2EB-L2-24V	B	4	24	2 Form A/2 Form B	PCB				
769-S2EB-L2-5V	S2EB-L2-5V	B	4	5	2 Form A/2 Form B	PCB				
769-S4EB-12V	S4EB-12V	B	4	12	4 Form A	PCB				
769-S4EB-24V	S4EB-24V	B	4	24	4 Form A	PCB				
769-S4EB-5V	S4EB-5V	B	4	5	4 Form A	PCB				



SF SERIES

For quantities greater than listed, call for quote.

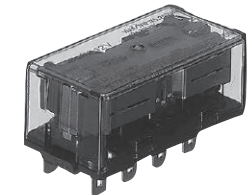
769-SF2D-DC12V	SF2D-DC12V	C	6	12	2 Form A/2 Form B	PCB				
769-SF2D-DC24V	SF2D-DC24V	C	6	24	2 Form A/2 Form B	PCB				
769-SF4D-DC12V	SF4D-DC12V	C	6	12	4 Form A/4 Form B	PCB				
769-SF4D-DC24V	SF4D-DC24V	C	6	24	4 Form A/4 Form B	PCB				



SP SERIES

For quantities greater than listed, call for quote.

769-SP2-DC12V	SP2-DC12V	D	15	12	2 Form C	Plug-In				
769-SP2-DC24V	SP2-DC24V	D	15	24	2 Form C	Plug-In				
769-SP2-DC5V	SP2-DC5V	D	15	5	2 Form C	Plug-In				
769-SP2-L2-DC12V	SP2-L2-DC12V	D	15	12	2 Form C	Plug-In				
769-SP2-L2-DC5V	SP2-L2-DC5V	D	15	5	2 Form C	Plug-In				
769-SP2-P-DC24V	SP2-P-DC24V	D	15	24	2 Form C	Plug-In				
769-SP4-DC12V	SP4-DC12V	D	10	12	4 Form C	Plug-In				
769-SP4-DC24V	SP4-DC24V	D	10	24	4 Form C	Plug-In				
769-SP4-P-DC12V	SP4-P-DC12V	D	10	12	4 Form C	Plug-In				
769-SP4-P-DC24V	SP4-P-DC24V	D	10	24	4 Form C	Plug-In				
769-SP4-L2-DC12V	SP4-L2-DC12V	D	10	12	4 Form C	Plug-In				
769-SP4-L2-DC24V	SP4-L2-DC24V	D	10	24	4 Form C	Plug-In				
769-SP4-L2-DC5V	SP4-L2-DC5V	D	10	5	4 Form C	Plug-In				
769-SP4-PL2-DC24V	SP4-PL2-DC24V	D	10	24	4 Form C	Plug-In				
769-SP4-PL2-DC5V	SP4-PL2-DC5V	D	10	5	4 Form C	Plug-In				



ST SERIES

For quantities greater than listed, call for quote.

769-ST1-DC12V-F	ST1-DC12V-F	E	8	12	1 Form A/1 Form B	PCB				
769-ST1-DC24V-F	ST1-DC24V-F	E	8	24	1 Form A/1 Form B	PCB				
769-ST1-DC48V-F	ST1-DC48V-F	E	8	48	1 Form A/1 Form B	PCB				
769-ST1-DC5V-F	ST1-DC5V-F	E	8	5	1 Form A/1 Form B	PCB				
769-ST1-L2-DC12V-F	ST1-L2-DC12V-F	E	8	12	1 Form A/1 Form B	PCB				
769-ST1-L2-DC24V-F	ST1-L2-DC24V-F	E	8	24	1 Form A/1 Form B	PCB				
769-ST1-L2-DC5V-F	ST1-L2-DC5V-F	E	8	5	1 Form A/1 Form B	PCB				
769-ST2-DC12V-F	ST2-DC12V-F	E	8	12	2 Form A	PCB				
769-ST2-DC24V-F	ST2-DC24V-F	E	8	24	2 Form A	PCB				
769-ST2-DC5V-F	ST2-DC5V-F	E	8	5	2 Form A	PCB				
769-ST2-L2-DC5V-F	ST2-L2-DC5V-F	E	8	5	2 Form A	PCB				



SOCKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Description	Price Each			
			1	25	50	100
769-ST-PS	ST-PS	For ST1/ST2 PCB				
769-NC2-PS	NC2-PS	For Slim NC2D Relays				
769-NC4-PS	NC4-PS	For Slim NC4D-P Relays				
769-S-PS	S-PS	For S Series				
769-SP2-SF	SP2-SF	For SP2 Relays, Screw Terminal				
769-SP4-SF	SP4-SF	For SP4 Relays, Screw Base				

Automotive Relays

FUJITSU FTR-P2 SERIES: SILENT TWIN AUTOMOTIVE RELAYS

- Features:**
- 1 POLE x 2, H-Bridge, 25A
 - Low operating sound
 - Compact, high density package
 - High capacity
 - Ease of PCB layout
 - High breaking capability

- Applications:**
- Power windows
 - Doorlocks
 - Power seat
 - Wiper (for H-bridge circuit)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance ($\pm 10\%$ at 20°C)	Price Each			
						1	100	500	1000
817-FTR-P2CN010W1	FTR-P2CN010W1	A	10	455mW	220 Ω				

FUJITSU FTR-P3 SERIES: AUTOMOTIVE RELAYS

- Features:**
- 1 POLE - 25A
 - Compact, high density package
 - High contact capacity

- Applications:**
- Power windows/seat
 - Doorlocks
 - Sun roof
 - Wiper/I/W/W

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (Ω)	Price Each
817-FTR-P3CN010W1	FTR-P3CN010W1	B	10	0.6W	167 Ω	

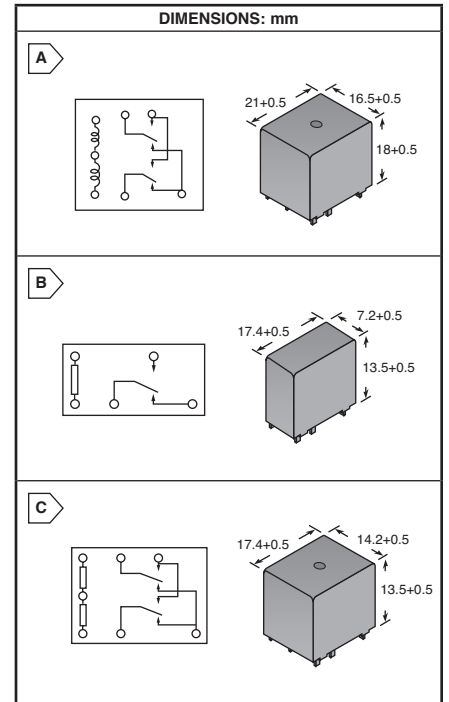
FUJITSU FTR-P4 SERIES: COMPACT TWIN AUTOMOTIVE RELAYS

- Features:**
- 1 POLE x 2, H-Bridge - 25A
 - High density package
 - High contact capacity
 - Coil power savings

- Applications:**
- Power windows/seat
 - Doorlocks
 - Sun roof
 - Tilt steering
 - Retractable antenna

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (Ω)	Price Each
817-FTR-P4CN009W1	FTR-P4CN009W1	C	9	0.6W	135 Ω	
817-FTR-P4CN010W1	FTR-P4CN010W1	C	10	0.6W	167 Ω	



NEC EP2/EP1 SERIES: 25A AUTOMOTIVE RELAYS

- The EP2 H bridge type is a twin relay for forward and reverse control of motors (SPDT x 2 contact form)
- The EP2 separate type contains 2 separated relays in 1 package (SPDT x 2 contact form)
- The EP1 series is a single SPDT relay
- Nom. Operating Power: 640mW



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Nominal Power (W)	Price Each			
							1	25	50	100
H Bridge Type										
551-EP2-3N1S	EP2-3N1S	A	1	12	225	0.64				
Separate Type										
551-EP2-3N1ST	EP2-3N1ST	A	2	12	225	0.64				
Single										
551-EP1-3N1S	EP1-3N1S	B	3	12	225	0.64				

NEC ET2/ET1 SERIES: 25A AUTOMOTIVE RELAYS

- The ET2 is a twin type relay with SPDT x 2 contact form
- The ET1 is a single SPDT relay
- Flux tight housing
- Nom. operating power: 640mW



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω)	Nominal Power (W)	Price Each
551-ET2-B3M1S	ET2-B3M1S	C	1	12	225	640	
551-ET1-B3M1S	ET1-B3M1S	D	4	12	225	640	

NEC EQ1 SERIES: 35A AUTOMOTIVE RELAYS

- Nom. operating power: 640mW for motor control; 800mW for lamp control
- Contact form: SPDT for motor control; SPST for lamp control
- Flux tight housing



For quantities greater than listed, call for quote.

For General Purpose Motor Control							
MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω)	Nominal Power (W)	Price Each
551-EQ1-31000S	EQ1-31000S	E	4	12	225	640mW	
For Lamp and LCR Circuit Control							
551-EQ1-22111S	EQ1-22111S	E	5	12	180	800mW	
551-EQ1-11111S	EQ1-11111S	E	5	12	144	1000mW	

NEC EX1/EX2 SERIES: 25A PC BOARD MOUNT AUTOMOTIVE RELAYS

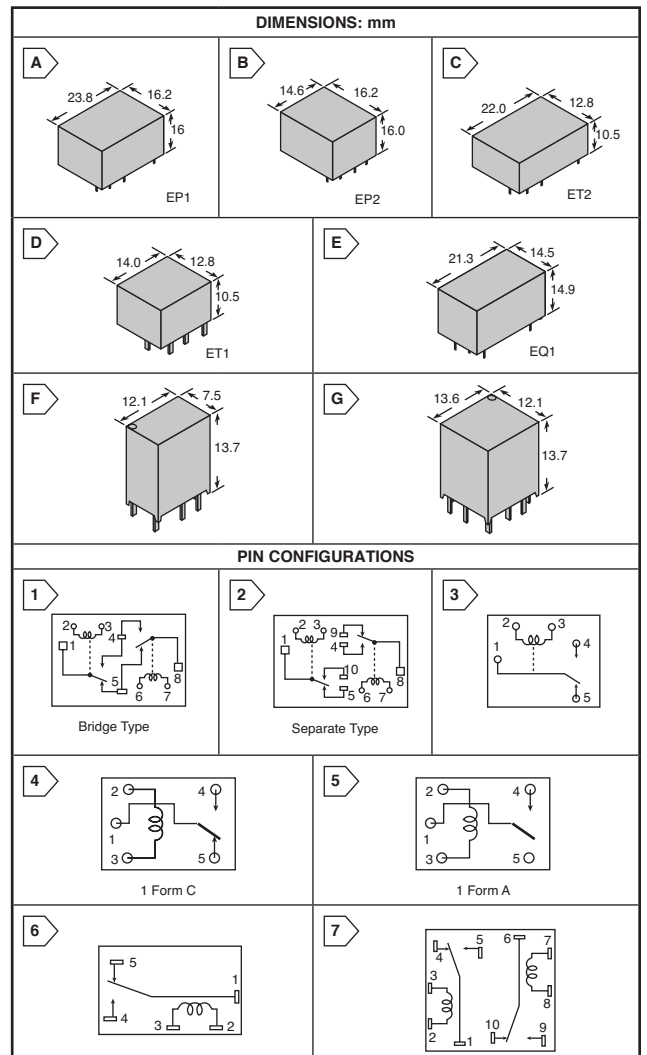
- Features:**
- Approx. 75% relay volume of ET2; 65% of ET1
 - Approx. 88% relay weight of ET2; 78% of ET1
 - Approx. 60% relay space of ET2; 50% of ET1

- Applications:**
- Motor control
 - Heater control
 - Solenoid control



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Nominal Power (W)	Price Each			
							1	25	50	100
551-EX1-2U1S	EX1-2U1S	F	6	12	160	900mW				
551-EX2-2U1S	EX2-2U1S	G	7	12	160	900mW				



Automotive Relays

FUJITSU FTR-G1 SERIES: COMPACT POWER RELAY FOR AUTOMOTIVE APPLICATIONS

Specifications:

- Compact for high density packaging
- High contact capacity with proven contact material
- Coil power savings
- Ease of PCB layout
- Lower noise (57dB average at 5cm)
- Contact arrangement: 1Form C

Typical Applications:

- Power window
- Door lock
- Sun roof

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (\pm @ 20°C)	Price Each			
						1	100	500	1000
817-FTR-G1CN012W1	FTR-G1CN012W1	A	12	0.64W	225				

FUJITSU FTR-P6 SERIES: MICRO SURFACE MOUNT RELAY FOR AUTOMOTIVE APPLICATIONS

Specifications:

- Surface mount relays
- Miniature size
- High contact capacity with proven contact material
- Coil power savings
- Semi-quiet relay (average acoustic noise level: 60dB distance 5cm)

Typical Applications:

- Power window
- Door lock
- Power seat

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (\pm @ 20°C)	Price Each			
						1	100	500	1000
817-FTR-P6GN012WA	FTR-P6GN012WA	B	12	0.8W	180				

OMRON G8HN SERIES: MICRO ISO AUTOMOTIVE RELAYS

Specifications:

- Max. switching current: 60A (NO), 30A (NC), steady 20A (NO), 10A (NC)
- Coil resistance \pm 20: 110 Ω
- Electrical service life: 100,000 cycles min.
- Contact material: Silver tin oxide (cadmium free)
- Rated voltage: 12VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Power Consumption	Price Each			
					1	25	50	100
653-G8HN1C2TRDC12	G8HN-1C2T-R-DC12	C	SPDT	1309mW				

OMRON G8JN SERIES: GENERAL PURPOSE AUTOMOTIVE RELAYS

Specifications:

- Contact form: SPDT
- Standard ISO terminal footprint
- Resistance without suppression resistor: 78 Ω \pm 15%
- Rated voltage: 12VDC
- Max. resistive load: 35A (NO)/20A (NC)
- Max. inrush current (inductive load): 100A (NO)/40A (NC)
- Electrical service life: 100,000 cycles min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C7TDC12	G8JN-1C7T-DC12	D	----	----				
653-G8JN1C7TMFDC12	G8JN-1C7T-MF-DC12	E	----	Molded plastic				
653-G8JN1C7TRDC12	G8JN-1C7T-R-DC12	D	680 Ω	----				
653-G8JN1C7TMFRDC12	G8JN-1C7T-MF-R-DC12	E	680 Ω	Molded plastic				

Weatherproof Covers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C6TDC12	G8JN-1C6T-DC12	F	----	----				
653-G8JN1C6TRDC12	G8JN-1C6T-R-DC12	F	680 Ω	----				
653-G8JN1C6TFRDC12	G8JN-1C6T-F-R-DC12	G	680 Ω	Metal				
653-G8JN1C6TFDC12	G8JN-1C6T-F-DC12	G	----	Metal				

OMRON G8JR SERIES: POWER, MINI ISO AUTOMOTIVE RELAYS

Specifications:

- Contact form: SPST
- Terminals: Plug-in
- Fully automated assembly
- ISO footprint and terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Voltage	Coil Resistance \pm 15%	Coil Resistance with 680 Ω	Price Each			
						1	25	50	100
653-G8JR1A7TRDC12	G8JR-1A7T-R-DC12	H	12VDC	71 Ω	64.5 Ω				

OMRON G8W SERIES: PLUG-IN, MINI-280 ISO AUTOMOTIVE RELAYS

Specifications:

- Supplied with suppression resistor 680 Ω
- Resistance without suppression resistor: 91 Ω \pm 15%
- Rated voltage: 12VDC
- Max. resistive load: 35A (NO)/20A (NC)
- Max. inrush current (inductive load): 100A (NO)/20A break (NC)
- Electrical service life: 100,000 cycles min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Description	Price Each			
					1	25	50	100
653-G8W1A7TRDC12	G8W-1A7T-R-DC12	I	SPST-NO	Standard with resistor				
653-G8W1C7TRDC12	G8W-1C7T-R-DC12	I	SPDT	Standard with resistor				
653-G8W1C6TRDC12	G8W-1C6T-R-DC12	I	SPDT	Weatherproof with resistor				
653-G8W1A6TFRDC12	G8W-1A6T-F-R-DC12	I	SPST-NO	Weatherproof with straight metal bracket with resistor				
653-G8W1C6TFRDC12	G8W-1C6T-F-R-DC12	I	SPDT	Weatherproof with straight metal bracket with resistor				

DIMENSIONS: mm

A

B

C

D

(shown with suppression resistor)

E

(shown with suppression resistor)

F

(shown with suppression resistor)

G

(shown with suppression resistor)

H

I

PANASONIC Automotive Relays

Panasonic

Panasonic automotive relays offer a sealed construction, ideal for harsh environments where resistance to moisture and contamination is essential. In addition to standard automotive applications, they are used extensively in construction and agricultural vehicles, as well as recreational vehicles and commercial landscaping equipment. Panasonic offers a full range of automotive relays.



This product is RoHS compliant.

CB1 SERIES

- High thermal resistance of 125°C 257°F (heat resistant type)
- Surge absorbing built-in diode type that works when the relay coil is off
- Dimensions: L=26(1.024), W=22(.866), H=25(.984)
- Terminals are all solder plate



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
Plug-In Type										
769-CB1-12V	CB1-12V	A	40	12	1 Form C	Plug-in				
769-CB1-24V	CB1-24V	A	20	24	1 Form C	Plug-in				
769-CB1A-12V	CB1A-12V	A	40	12	1 Form A	Plug-in				
769-CB1A-24V	CB1A-24V	A	20	24	1 Form A	Plug-in				
769-CB1AH-12V	CB1AH-12V	A	70	12	1 Form A	Plug-in				
769-CB1-R-12V	CB1-R-12V	A	40	12	1 Form C	Plug-in				
769-CB1F-12V	CB1F-12V	A	40	12	1 Form C	Plug-in				
769-CB1F-24V	CB1F-24V	A	20	24	1 Form C	Plug-in				
769-CB1F-R-12V	CB1F-R-12V	A	40	12	1 Form C	Plug-in				
769-CB1F-R-24V	CB1F-R-24V	A	20	24	1 Form C	Plug-in				
Bracket Type										
769-CB1AH-M-12V	CB1AH-M-12V	A	70	12	1 Form A	Bracket				
769-CB1A-M-12V	CB1A-M-12V	A	40	12	1 Form A	Bracket				
769-CB1A-M-24V	CB1A-M-24V	A	20	24	1 Form A	Bracket				
769-CB1F-M-12V	CB1F-M-12V	A	40	12	1 Form C	Bracket				
769-CB1F-M-24V	CB1F-M-24V	A	20	24	1 Form C	Bracket				
769-CB1F-R-WM-12V	CB1F-R-WM-12V	A	40	12	1 Form C	Bracket				
769-CB1-M-12V	CB1-M-12V	A	40	12	1 Form C	Bracket				
769-CB1-M-24V	CB1-M-24V	A	20	24	1 Form A	Bracket				
PC Board Type										
769-CB1-P-12V	CB1-P-12V	A	40	12	1 Form C	PCB				
769-CB1-P-24V	CB1-P-24V	A	20	24	1 Form C	PCB				
769-CB1F-P-12V	CB1F-P-12V	A	40	12	1 Form C	PCB				
769-CB1A-P-12V	CB1A-P-12V	A	40	12	1 Form A	PCB				
769-CB1A-P-24V	CB1A-P-24V	A	20	24	1 Form A	PCB				
769-CB1AF-P-12V	CB1AF-P-12V	A	40	12	1 Form A	PCB				

A



Plug-In Type Shown

B



Plug-In Type Shown

C



CM SERIES

- Micro-ISO type terminals
- Uses international standard ISO terminal arrangement
- Wide line-up
- Dimensions: L=20(.787), W=15(.591), H=22(.866)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
Plug-In Type										
769-CM1-12V	CM1-12V	B	35	12	1 Form A	Plug-in				
769-CM1-R-12V	CM1-R-12V	B	35	12	1 Form C	Plug-in				

D



CP SERIES

- Low profile
- Simple footprint pattern enables ease of PC board layout
- PC board terminal type: 9.5mm (.37")
- Dimensions: L=13(.512), W=14(.551), H=9.5(.374)
- Sealed construction suitable for harsh environments



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-CP1-12V	CP1-12V	C	20	12	1 Form C	PCB				
769-CP1A-12V	CP1A-12V	C	20	12	1 Form A	PCB				

E



JJ-M SERIES

- Perfect for automobile electrical systems
- Plastic sealed type
- Standard terminal pitch employed
- Dimensions: L=15.5(.610), W=12(.472), H=13.9(.547)
- Compact (half-size)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JJM1-12V	JJM1-12V	D	20	12	1 Form C	PCB				

JS-M SERIES

- Low pick-up voltage for high ambient use
- Usable at high temperature: 85°C, 185°F
- Sealed construction
- Dimensions: L=22(.866) W=16(.630) H=16(.630)
- Global standard terminal pitch



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JSM1-12V-4	JSM1-12V-4	E	10	12	1 Form C	PCB				
769-JSM1-12V-5	JSM1-12V-5	E	15	12	1 Form C	PCB				
769-JSM1A-12V-4	JSM1A-12V-4	E	10	12	1 Form A	PCB				

PANASONIC Signal Relays

Panasonic

Panasonic automotive relays offer a sealed construction, ideal for harsh environments where resistance to moisture and contamination is essential. In addition to standard automotive applications, they are used extensively in construction and agricultural vehicles, as well as recreational vehicles and commercial landscaping equipment. Panasonic offers a full range of automotive relays.

TN SERIES

- 2 Form C Slim type: 14.0(L) × 9.0(W) × 5.0(H)
- Dimensions: L=14(.551), W=5.6(.220), H=9.5(.374)
- Surge breakdown voltage: 1500V FCC Part 68

- Low thermal electromotive force
- Outstanding vibration and shock resistance



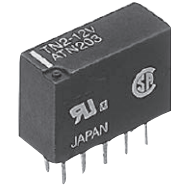
RoHS Compliant

For quantities greater than listed, call for quote.

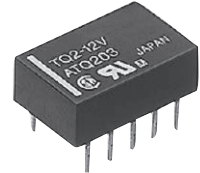
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TN2-12V	TN2-12V	A	1	12	2 Form C	PCB				
769-TN2-24V	TN2-24V	A	1	24	2 Form C	PCB				
769-TN2-3V	TN2-3V	A	1	3	2 Form C	PCB				
769-TN2-4.5V	TN2-4.5V	A	1	4.5	2 Form C	PCB				
769-TN2-5V	TN2-5V	A	1	5	2 Form C	PCB				
769-TN2-6V	TN2-6V	A	1	6	2 Form C	PCB				
769-TN2-9V	TN2-9V	A	1	9	2 Form C	PCB				
769-TN2-L-12V	TN2-L-12V	A	1	12	2 Form C	PCB				
769-TN2-L2-12V	TN2-L2-12V	A	1	24	2 Form C	PCB				
769-TN2-L2-24V	TN2-L2-24V	A	1	24	2 Form C	PCB				
769-TN2-L2-3V	TN2-L2-3V	A	1	3	2 Form C	PCB				
769-TN2-L2-4.5V	TN2-L2-4.5V	A	1	4.5	2 Form C	PCB				
769-TN2-L2-5V	TN2-L2-5V	A	1	5	2 Form C	PCB				
769-TN2-L-5V	TN2-L-5V	A	1	5	2 Form C	PCB				

DIMENSIONS: mm (in.)

A



B



TQ SERIES

- Flat compact size: L=14.0(.551) × W=9.0(.354) × H=5.0(.197)
- High density mounting possible
- DL terminal array enables use of IC sockets
- Low thermal electromotive force

- A range of surface-mount types is also available:
SA: Low-profile surface-mount terminal type
SL: High connection reliability surface mount terminal type
SS: Space saving surface mount

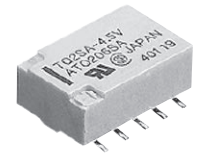


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2-12V	TQ2-12V	B	1	12	2 Form C	PCB				
769-TQ2-24V	TQ2-24V	B	1	24	2 Form C	PCB				
769-TQ2-3V	TQ2-3V	B	1	3	2 Form C	PCB				
769-TQ2-4.5V	TQ2-4.5V	B	1	4.5	2 Form C	PCB				
769-TQ2-48V	TQ2-48V	B	1	48	2 Form C	PCB				
769-TQ2-5V	TQ2-5V	B	1	5	2 Form C	PCB				
769-TQ2-6V	TQ2-6V	B	1	6	2 Form C	PCB				
769-TQ2-9V	TQ2-9V	B	1	9	2 Form C	PCB				
769-TQ2H-5V	TQ2H-5V	B	1	5	2 Form C	PCB				
769-TQ2-L-12V	TQ2-L-12V	B	1	12	2 Form C	PCB				
769-TQ2-L2-24V	TQ2-L2-24V	B	1	24	2 Form C	PCB				
769-TQ2-L2-3V	TQ2-L2-3V	B	1	3	2 Form C	PCB				
769-TQ2-L2-4.5V	TQ2-L2-4.5V	B	1	4.5	2 Form C	PCB				
769-TQ2-L2-5V	TQ2-L2-5V	B	1	5	2 Form C	PCB				
769-TQ2-L2-6V	TQ2-L2-6V	B	1	6	2 Form C	PCB				
769-TQ2-L2-9V	TQ2-L2-9V	B	1	9	2 Form C	PCB				
769-TQ2-L-3V	TQ2-L-3V	B	1	3	2 Form C	PCB				
769-TQ2-L-4.5V	TQ2-L-4.5V	B	1	4.5	2 Form C	PCB				
769-TQ2-L-5V	TQ2-L-5V	B	1	5	2 Form C	PCB				

C

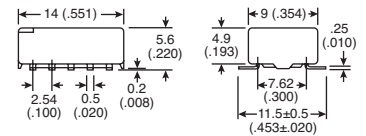


SA SMD Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SA-1.5V	TQ2SA-1.5V	C1	2	1.5	2 Form C	SMD				
769-TQ2SA-12V	TQ2SA-12V	C1	2	12	2 Form C	SMD				
769-TQ2SA-24V	TQ2SA-24V	C1	2	24	2 Form C	SMD				
769-TQ2SA-3V	TQ2SA-3V	C1	2	3	2 Form C	SMD				
769-TQ2SA-4.5V	TQ2SA-4.5V	C1	2	4.5	2 Form C	SMD				
769-TQ2SA-48V	TQ2SA-48V	C1	2	48	2 Form C	SMD				
769-TQ2SA-5V	TQ2SA-5V	C1	2	5	2 Form C	SMD				
769-TQ2SA-9V	TQ2SA-9V	C1	2	9	2 Form C	SMD				
769-TQ2SA-L2-12V	TQ2SA-L2-12V	C1	2	12	2 Form C	SMD				
769-TQ2SA-L2-24V	TQ2SA-L2-24V	C1	2	24	2 Form C	SMD				
769-TQ2SA-L2-3V	TQ2SA-L2-3V	C1	2	3	2 Form C	SMD				
769-TQ2SA-L2-4.5V	TQ2SA-L2-4.5V	C1	2	4.5	2 Form C	SMD				
769-TQ2SA-L2-5V	TQ2SA-L2-5V	C1	2	5	2 Form C	SMD				
769-TQ2SA-L-4.5V	TQ2SA-L-4.5V	C1	2	4.5	2 Form C	SMD				
769-TQ2SA-L-5V	TQ2SA-L-5V	C1	2	5	2 Form C	SMD				

1

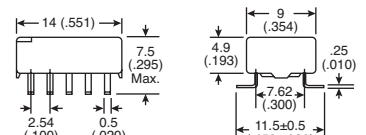


SL SMD Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SL-12V	TQ2SL-12V	C2	2	12	2 Form C	Hi-Conn SMD				
769-TQ2SL-24V	TQ2SL-24V	C2	2	24	2 Form C	Hi-Conn SMD				
769-TQ2SL-3V	TQ2SL-3V	C2	2	3	2 Form C	Hi-Conn SMD				
769-TQ2SL-5V	TQ2SL-5V	C2	2	5	2 Form C	Hi-Conn SMD				
769-TQ2SL-L2-4.5V	TQ2SL-L2-4.5V	C2	2	4.5	2 Form C	Hi-Conn SMD				
769-TQ2SL-L2-5V	TQ2SL-L2-5V	C2	2	5	2 Form C	Hi-Conn SMD				

2

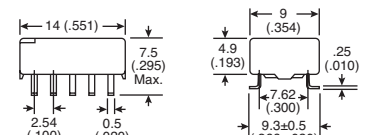


SS SMD Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SS-12V	TQ2SS-12V	C3	2	12	2 Form C	Space Save SMD				
769-TQ2SS-L2-12V	TQ2SS-L2-12V	C3	2	12	2 Form C	Space Save SMD				
769-TQ2SS-L2-5V	TQ2SS-L2-5V	C3	2	5	2 Form C	Space Save SMD				
769-TQ2SS-L-5V	TQ2SS-L-5V	C3	2	5	2 Form C	Space Save SMD				

3

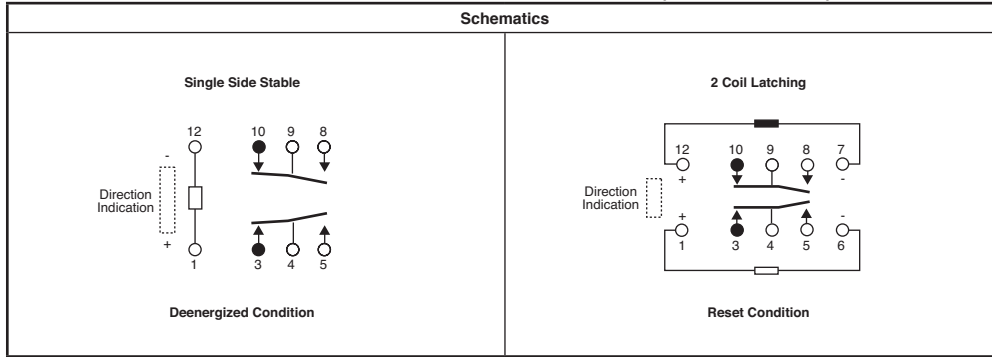


PANASONIC Signal Relays



This product is RoHS compliant.

Panasonic



Panasonic automotive relays offer a sealed construction, ideal for harsh environments where resistance to moisture and contamination is essential. In addition to standard automotive applications, they are used extensively in construction and agricultural vehicles, as well as recreational vehicles and commercial landscaping equipment. Panasonic offers a full range of automotive relays.

TX SERIES

- 2,000V breakdown voltage between contact and coil
- Outstanding surge resistance
- Outstanding vibration and shock resistance
- Nominal operating power: High sensitivity of 140mW
- The use of gold-clad twin crossbar contacts ensures high contact reliability
- Sealed construction allows automatic washing

- A range of surface-mount types is also available:
 - SA:** Low-profile surface-mount terminal type
 - SL:** High connection reliability surface mount terminal type
 - SS:** Space saving surface mount terminal type

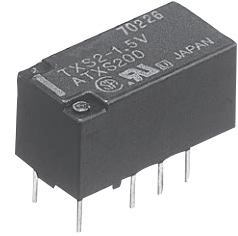
*: Coil latching



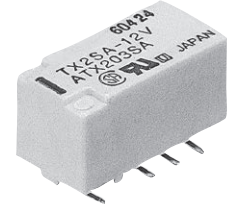
RoHS Compliant

DIMENSIONS: mm (in.)

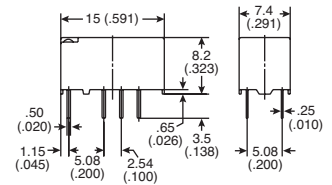
A



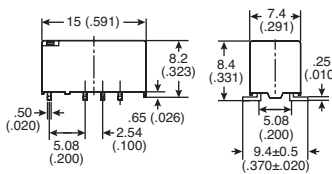
B



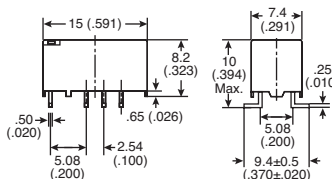
1



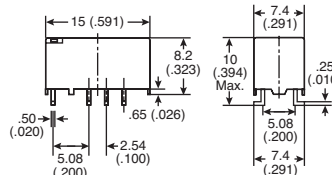
2



3



4



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
PC Board Type										
769-TX2-12V	TX2-12V	A1	2	12	2 Form C	PCB				
769-TX2-24V	TX2-24V	A1	2	24	2 Form C	PCB				
769-TX2-3V	TX2-3V	A1	2	3	2 Form C	PCB				
769-TX2-4.5V	TX2-4.5V	A1	2	4.5	2 Form C	PCB				
769-TX2-48V	TX2-48V	A1	2	48	2 Form C	PCB				
769-TX2-5V	TX2-5V	A1	2	5	2 Form C	PCB				
769-TX2-9V	TX2-9V	A1	2	9	2 Form C	PCB				
* 769-TX2-L2-12V	TX2-L2-12V	A1	2	12	2 Form C	PCB				
* 769-TX2-L2-24V	TX2-L2-24V	A1	2	24	2 Form C	PCB				
* 769-TX2-L2-4.5V	TX2-L2-4.5V	A1	2	4.5	2 Form C	PCB				
* 769-TX2-L2-5V	TX2-L2-5V	A1	2	5	2 Form C	PCB				
* 769-TX2-L2-9V	TX2-L2-9V	A1	2	9	2 Form C	PCB				
769-TX2-L-3V	TX2-L-3V	A1	2	3	2 Form C	PCB				
769-TX2-L-4.5V	TX2-L-4.5V	A1	2	4.5	2 Form C	PCB				
769-TX2-L-5V	TX2-L-5V	A1	2	5	2 Form C	PCB				
769-TXD2-12V	TXD2-12V	A1	2	12	2 Form C	PCB				
769-TXD2-24V	TXD2-24V	A1	2	24	2 Form C	PCB				
769-TXD2-5V	TXD2-5V	A1	2	5	2 Form C	PCB				
769-TXS2-12V	TXS2-12V	A1	1	12	2 Form C	PCB				
769-TXS2-24V	TXS2-24V	A1	1	24	2 Form C	PCB				
769-TXS2-3V	TXS2-3V	A1	1	3	2 Form C	PCB				
769-TXS2-4.5V	TXS2-4.5V	A1	1	4.5	2 Form C	PCB				
769-TXS2-9V	TXS2-9V	A1	1	9	2 Form C	PCB				
* 769-TXS2-L2-12V	TXS2-L2-12V	A1	1	12	2 Form C	PCB				
* 769-TXS2-L2-4.5V	TXS2-L2-4.5V	A1	1	4.5	2 Form C	PCB				
SA SMD Type										
769-TX2SA-12V	TX2SA-12V	B2	2	12	2 Form C	SMD				
769-TX2SA-24V	TX2SA-24V	B2	2	24	2 Form C	SMD				
769-TX2SA-3V	TX2SA-3V	B2	2	3	2 Form C	SMD				
769-TX2SA-4.5V	TX2SA-4.5V	B2	2	4.5	2 Form C	SMD				
769-TX2SA-5V	TX2SA-5V	B2	2	5	2 Form C	SMD				
769-TX2SA-9V	TX2SA-9V	B2	2	9	2 Form C	SMD				
* 769-TX2SA-L2-12V	TX2SA-L2-12V	B2	2	12	2 Form C	SMD				
* 769-TX2SA-L2-3V	TX2SA-L2-3V	B2	2	3	2 Form C	SMD				
* 769-TX2SA-L2-4.5V	TX2SA-L2-4.5V	B2	2	4.5	2 Form C	SMD				
* 769-TX2SA-L2-5V	TX2SA-L2-5V	B2	2	5	2 Form C	SMD				
769-TXD2SA-3V	TXD2SA-3V	B2	2	3	2 Form C	SMD				
769-TXD2SA-4.5V	TXD2SA-4.5V	B2	2	4.5	2 Form C	SMD				
769-TXD2SA-5V	TXD2SA-5V	B2	2	5	2 Form C	SMD				
769-TXS2SA-12V	TXS2SA-12V	B2	1	12	2 Form C	SMD				
769-TXS2SA-3V	TXS2SA-3V	B2	1	3	2 Form C	SMD				
769-TXS2SA-4.5V	TXS2SA-4.5V	B2	1	4.5	2 Form C	SMD				
* 769-TXS2SA-L2-4.5V	TXS2SA-L2-4.5V	B2	1	4.5	2 Form C	SMD				
SL SMD Type										
769-TX2SL-12V	TX2SL-12V	B3	2	12	2 Form C	Hi-Conn SMD				
769-TX2SL-3V	TX2SL-3V	B3	2	3	2 Form C	Hi-Conn SMD				
769-TX2SL-4.5V	TX2SL-4.5V	B3	2	4.5	2 Form C	Hi-Conn SMD				
769-TX2SL-5V	TX2SL-5V	B3	2	5	2 Form C	Hi-Conn SMD				
SS SMD Type										
769-TX2SS-24V	TX2SS-24V	B4	2	24	2 Form C	Space Save SMD				
769-TX2SS-4.5V	TX2SS-4.5V	B4	2	4.5	2 Form C	Space Save SMD				
769-TX2SS-48V	TX2SS-48V	B4	2	48	2 Form C	Space Save SMD				
769-TX2SS-5V	TX2SS-5V	B4	2	5	2 Form C	Space Save SMD				
769-TXS2SS-12V	TXS2SS-12V	B4	1	12	2 Form C	Space Save SMD				
769-TXS2SS-4.5V	TXS2SS-4.5V	B4	1	4.5	2 Form C	Space Save SMD				

COTO Reed Relays



MICROMINIATURE REED RELAY

DIMENSIONS: in. (mm)

Specifications:

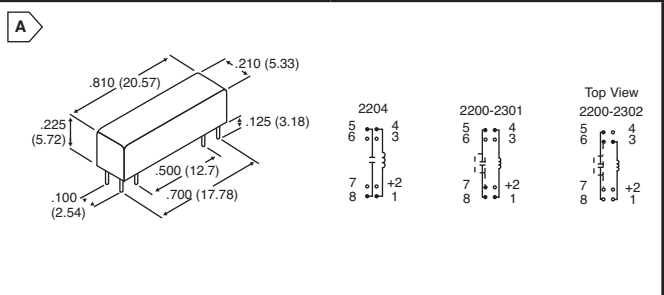
- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

- High Insulation Resistance
- High Speed Switching
- Very Small (0.17")
- High Reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-2200-2301	2200-2301	A	SPST	5	0.5	1				
816-2200-2302	2200-2302	A	SPST	5	0.5	1				
816-2204-05-401	2204-05-401	A	SPST	5	0.5	1				
816-2204-05-411	2204-05-411	A	SPST	5	0.5	1				



MICROMINIATURE FORM C REED RELAY

Specifications:

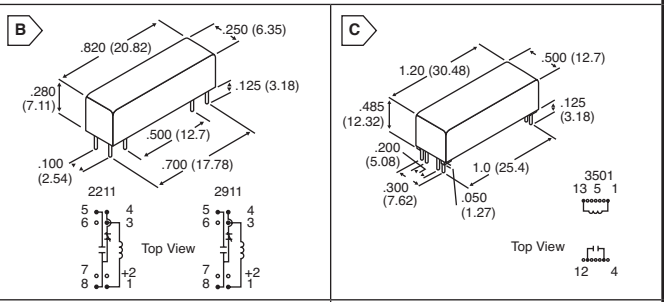
- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

- High Insulation Resistance
- High Speed Switching
- Very Small (0.20")
- High Reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-2211-05-301	2211-05-301	A	SPDT	5	0.25	0.5				
816-2211-12-301	2211-12-301	A	SPDT	12	0.25	0.5				
816-2911-05-301	2911-05-301	B	SPDT	5	0.25	1				
816-2911-05-311	2911-05-311	B	SPDT	5	0.25	1				
816-2911-05-321	2911-05-321	B	SPDT	5	0.25	1				
816-2911-12-321	2911-12-321	B	SPDT	12	0.25	1				



LOW THERMAL EMF REED RELAY

Specifications:

- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

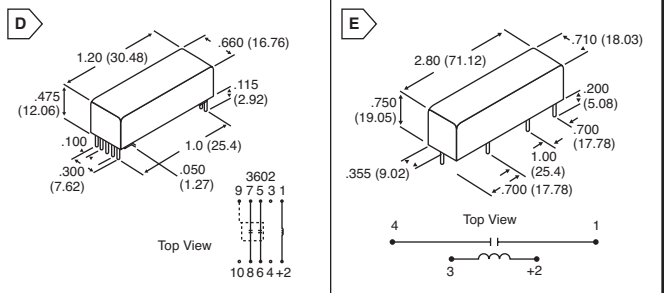
- High Insulation Resistance: 10Ω
- Control/ Signal Isolation of 1500VDC
- Low Power Coils To Ensure Low Thermal EMF
- Patented Low Thermal Design



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-3501-05-511	3501-05-511	C	SPST	5	0.5	1.5				
816-3602-05-52	3602-05-52	D	DPST	5	0.25	1.5				



HIGH VOLTAGE REED RELAY

Specifications:

- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

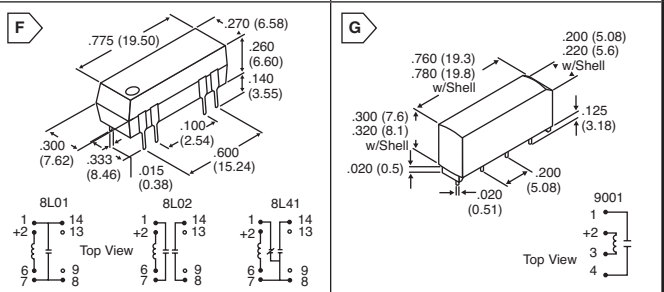
- High Dielectric Strength
- High Contact Rating: 200 Watts
- Low Contact Resistance: 0.03Ω typical
- Magnetic Shield Standard



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-5501-05-1	5501-05-1	E	SPST	5	3.0	5				
816-5501-12-1	5501-12-1	E	SPST	12	3.0	5				
816-5501-24-1	5501-24-1	E	SPST	24	3.0	5				



SPARTAN DIP RELAY

Specifications:

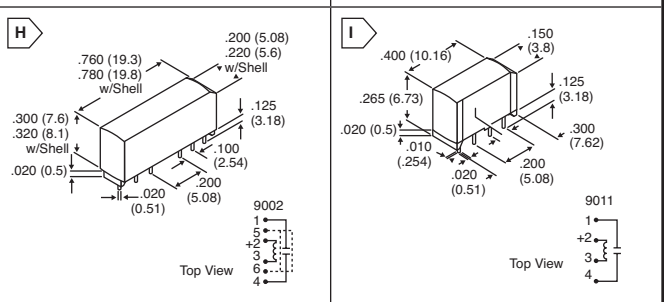
- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

- Available Coils in 5V, 12V, 24V
- Molded Thermostat Body On Integral Lead Frame Design
- Drop-In Low Cost Replacement For Standard DIP Packages

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-8L01-05-011	8L01-05-011	F	SPST	5	0.5	1				
816-8L01-05-111	8L01-05-111	F	SPST	5	0.5	1				
816-8L01-12-001	8L01-12-001	F	SPST	12	0.5	1				
816-8L01-12-111	8L01-12-111	F	SPST	12	0.5	1				
816-8L02-05-000	8L02-05-000	F	DPST	5	0.5	1				
816-8L02-05-011	8L02-05-011	F	DPST	5	0.5	1				
816-8L02-05-111	8L02-05-111	F	DPST	5	0.5	1				
816-8L02-12-000	8L02-12-000	F	DPST	12	0.5	1				
816-8L02-12-111	8L02-12-111	F	DPST	12	0.5	1				
816-8L41-05-001	8L41-05-001	F	SPDT	5	0.25	0.5				
816-8L41-05-101	8L41-05-101	F	SPDT	5	0.25	0.5				
816-8L41-05-111	8L41-05-111	F	SPDT	5	0.25	0.5				
816-8L41-12-011	8L41-12-011	F	SPDT	12	0.25	0.5				
816-8L41-12-101	8L41-12-101	F	SPDT	12	0.25	0.5				
816-8L41-12-111	8L41-12-111	F	SPDT	12	0.25	0.5				



SIP REED RELAY

Specifications:

- Storage Temp: -35°C to +100°C
- Operating Temp: -20°C to +85°C
- Vibration: 20G's to 2000Hz; Shock: 50G's

Features:

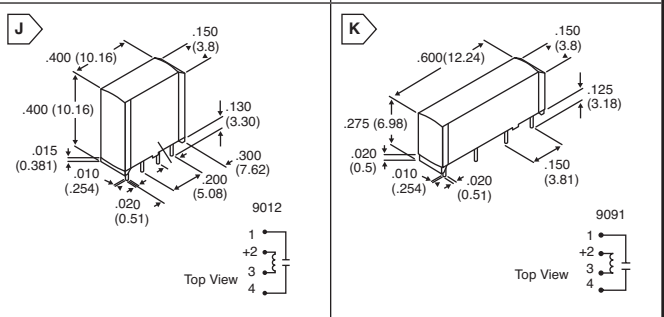
- Magnetic Shielding Reduces Interaction
- High Speed Switching
- UL File # E67117
- 9012 is the smallest 10W SIP Relay
- 9011 is the smallest 3W SIP Relay
- 9091 is a 10W SIP Relay



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9001-05-00	9001-05-00	G	SPST	5	0.5	1.5				
816-9001-12-00	9001-12-00	G	SPST	12	0.5	1.5				
816-9002-05-00	9002-05-00	H	SPST	5	0.5	1.5				
816-9002-05-01	9002-05-01	H	SPST	5	0.5	1.5				
816-9011-05-10	9011-05-10	I	SPST	5	0.25	0.5				
816-9012-05-10	9012-05-10	J	SPST	5	0.5	1.5				
816-9091-05-00	9091-05-00	K	SPST	5	0.5	1.5				



SPARTAN SIP RELAY

- Features:**
- High Insulation Resistance: $10^{10}\Omega$
 - High Speed Switching
 - UL File # E67117, CSA File # LR 28537
 - Coaxial Shield for 50Ω Impedance and Switching

- Specifications:**
- Storage Temp: -35°C to $+100^{\circ}\text{C}$
 - Operating Temp: -20°C to $+85^{\circ}\text{C}$
 - Solder Temp: 270°C max; 10 sec max
 - Vibration: 20G's to 2000Hz; Shock: 50Gs



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9007-05-00	9007-05-00	A	SPST	5	0.5	1				
816-9007-12-00	9007-12-00	A	SPST	12	0.5	1				

SURFACE MOUNT REED RELAY

- Features:**
- 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
 - External Magnetic Shield

- Specifications:**
- Storage Temp: -35°C to $+100^{\circ}\text{C}$
 - Operating Temp: -20°C to $+85^{\circ}\text{C}$
 - Vibration: 20G's to 2000Hz; Shock: 50Gs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9201-05-00	9201-05-00	B	SPST	5	0.5	1.5				
816-9202-05-00	9202-05-00	C	SPST	5	0.5	1.5				
816-9202-05-20	9202-05-20	D	SPST	5	0.5	1.5				
816-9290-05-00	9290-05-00	E	SPST	5	0.5	1.5				
816-9402-05-20	9402-05-20	F	SPST	5	0.5	1				

MAGNETICALLY SHIELDED SURFACE MOUNT REED RELAY

- Features:**
- High Insulation Resistance: $10^{12}\Omega$
 - High Speed Switching
 - Small Surface Mount Package (0.225" x 0.550")
 - 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching

- Specifications:**
- Storage Temp: -35°C to $+100^{\circ}\text{C}$
 - Operating Temp: -20°C to $+85^{\circ}\text{C}$
 - Vibration: 20G's to 2000Hz; Shock: 50Gs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9814-03-00	9814-03-00	G	SPST	3.3	0.25	0.5				
816-9814-03-20	9814-03-20	H	SPST	3.3	0.25	0.5				
816-9814-05-00	9814-05-00	G	SPST	5	0.25	0.5				

SURFACE MOUNT FORM C REED RELAY

- Features:**
- High Insulation Resistance: $10^{12}\Omega$
 - High Speed Switching
 - Small Surface Mount Package (0.225" x 0.550")
 - 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
 - External Magnetic Shield

- Specifications:**
- Storage Temp: -35°C to $+100^{\circ}\text{C}$
 - Operating Temp: -20°C to $+85^{\circ}\text{C}$
 - Vibration: 20G's to 2000Hz; Shock: 50Gs



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9852-05-00	9852-05-00	G	SPDT	5	0.1	0.2				

9092 SERIES: MINIATURE SIP RELAYS

- Features:**
- 10W SIP relay measuring .600" x .150" x .350"
 - High speed switching
 - Molded thermoset body on integral lead frame design
 - High insulation resistance
 - Magnetic Shield Option
 - Diode Option

- Specifications:**
- Storage Temperature: -35°C to $+100^{\circ}\text{C}$
 - Operate Temperature: -20°C to $+85^{\circ}\text{C}$
 - Solder Temperature: 270°C max 10 sec. max
 - Vibration: 20G's to 2000Hz Shock: 50G's
 - Switching Current (A): 0.5
 - Carry Current (A): 1.2



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9092-05-10	9092-05-10	I	5	375	3.75	0.4				
816-9092-05-11	9092-05-11	I	5	375	3.75	0.4				
816-9092-12-10	9092-12-10	I	12	750	9.0	1.0				
816-9092-12-11	9092-12-11	I	12	750	9.0	1.0				

9104 SERIES: HIGH VOLTAGE SIP REED RELAYS

- Features:**
- High voltage switching up to 1000V
 - High speed switching
 - Molded thermoset body on integral lead frame design
 - High insulation resistance
 - High dielectric strength 2000VDC
 - Diode Option

- Specifications:**
- Storage Temp: -35°C to $+100^{\circ}\text{C}$
 - Operate Temp: -20°C to $+85^{\circ}\text{C}$
 - Solder Temp: 270°C max 10 sec. max
 - Vibration: 20G's to 2000Hz Shock: 50G's
 - Switching Current (A): .5
 - Carry Current (A): 1.3



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9104-05-10	9104-05-10	J	5	175	3.75	0.5				
816-9104-05-11	9104-05-11	J	5	175	3.75	0.5				
816-9104-12-10	9104-12-10	J	12	500	9.0	1.0				
816-9104-12-11	9104-12-11	J	12	500	9.0	1.0				

9117 SERIES: MINIATURE SIP RELAY

- Features:**
- 9117 is the smallest 3W SIP relay (.270" x .150" x .385")
 - High speed switching
 - High insulation resistance
 - High reliability, hermetically sealed contacts
 - Molded thermoset body on integral lead frame design
 - Diode Option

- Specifications:**
- Storage Temperature: -35°C to $+100^{\circ}\text{C}$
 - Operate Temperature: -20°C to $+85^{\circ}\text{C}$
 - Solder Temperature: 270°C max 10 sec. max
 - Vibration: 20G's to 2000Hz Shock: 50G's
 - Switching Current (A): .25
 - Carry Current (A): .5



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9117-05-10	9117-05-10	K	5	400	3.75	0.5				

DIMENSIONS: in. (mm)

A Dimensions: .200 (5.08) w/Shell, .220 (5.6), .780 (19.8) w/Shell, .300 (7.6) w/Shell, .320 (8.1) w/Shell, .020 (0.5), .010 (.254), .020 (0.51), .125 (3.18), .240 (6.10), .150 (3.81), .020 (0.51), .200 (5.08). Pin 1: 1, 2, 3, 4.

B Dimensions: .240 (6.10), .010 (0.25), .150 (3.81), .020 (0.51), .900 (22.86). Pin 1: 2, 4, 1, 3.

C Dimensions: .240 (6.10), .010 (0.25), .75 (1.91), .020 (0.51), .900 (22.86). Pin 1: 2, 4, 6, 1, 3, 5.

D Dimensions: .190 (4.83), .010 (0.25), .75 (1.91), .020 (0.51), .900 (22.86). Pin 1: 2, 6, 4, 1, 5, 3.

E Dimensions: .176 (4.4), .670 (17.01) w/ Cover, .050 (1.27), .020 (0.51), .800±.012 (20.32±.304). Pin 1: 2, 6, 4, 1, 3.

F Dimensions: .225 (5.71), .225 (5.74), .1025 (0.64), .500 (12.70), .150 (3.80), .020 (0.51). Pin 1: 2468, 1357.

G Dimensions: .400 (10.16), .195 (4.95), .170 (4.31), .010 (0.25), .040 (1.02), .015 (0.38), .510 (12.9), .460 (11.68). Pin 1: 2468, 2468, 1357, 1357.

H Dimensions: .375 (9.52), .195 (4.95), .190 (4.82), .010 (0.25), .040 (1.02), .015 (0.38), .440 (11.18), .190 (4.82). Pin 1: 2468, 1357.

I Dimensions: .600 Max (6.85), .150 Max (3.81), .350 Max (8.89), .125 ± .005 (3.18 ± .831). Pin 1: 1, 2, 3, 4, 5, 6.

J Dimensions: .245 Max (6.22), .950 Max (24.13), .320 Max (8.13), .125 ± .005 (3.17 ± .13). Pin 1: 1, 3, 5, 7.

K Dimensions: .270 Max (6.85), .150 Max (3.81), .385 Max (9.77). Pin 1: 1, 2, 3, 4.

Coto Technology

Reed Relays

MAGNECRAFT Reed Relays



RoHS Compliant This product is RoHS compliant.

Magnecraft 117 SIP 4 PIN REED RELAYS

Specifications:

- Contact resistance: 200mΩ max.
- Pin spacing of 0.2 between pins
- Standard 0.1 grid spacing
- Rated @ 10VA, 0.5 amp switching and can carry up to 1.5 amps
- Dielectric strength: 500Vrms (coil to frame)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each			
							1	10	25	50
Class 117SIP, SPST-NO, Without Clamping Diode										
528-117-1	W117SIP-1	A1	5	500	4	50				
528-117-3	W117SIP-3	A1	12	1000	9.6	144				
Class 117SIP, SPST-NO, With Clamping Diode										
528-117-6	W117SIP-6	A2	5	500	4	50				
Class 117SIP, SPST-NC, With Clamping Diode										
528-117-18	W117SIP-18	A3	5	500	4	50				
Class 117SIP, SPST-NC, Without Clamping Diode										
528-117-22	W117SIP-22	A4	5	500	4	50				

Magnecraft CLASS 107 AND 171 DRY REED RELAYS

Specifications:

- Contact resistance: 200mΩ max.
- Insulation resistance: 100MΩ @ 500VDC min.
- Dielectric withstanding voltage between contacts: 200Vrms



RoHS Compliant

* With clamping diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each			
							1	10	25	50
Class 107DIP, SPST-NO, 0.5 Amp										
528-107-1	W107DIP-1	B5	5	500	3.8	50				
528-107-3	W107DIP-3	B5	12	1000	9	144				
* 528-107-5	W107DIP-5	B6	5	500	3.8	50				
* 528-107-7	W107DIP-7	B6	12	1000	9	144				
* 528-107-8	W107DIP-8	B6	24	2000	18	288				
Class 171DIP, SPST-NO, 0.5 Amp (No Connection Pin 9 & 13)										
528-171-2	W171DIP-2	B7	5	500	3.8	50				
528-171-4	W171DIP-4	B7	12	1200	9	120				
* 528-171-7	W171DIP-7	B8	5	500	3.8	50				
* 528-171-10	W171DIP-10	B8	24	2200	18	270				
Class 171DIP, SPST-NC, 0.5 Amp										
528-171-12	W171DIP-12	B9	5	200	3.8	50				
528-171-14	W171DIP-14	B9	12	1200	9	120				
* 528-171-17	W171DIP-17	B10	5	500	3.8	50				
* 528-171-20	W171DIP-20	B10	24	2200	18	270				
Class 171DIP, DPST-NO, 0.5 Amp										
528-171-21	W171DIP-21	B11	5	500	3.8	200				
528-171-23	W171DIP-23	B11	12	1000	9	144				
* 528-171-25	W171DIP-25	B12	5	500	3.8	50				
* 528-171-27	W171DIP-27	B12	12	1000	9	144				
* 528-171-28	W171DIP-28	B12	24	2200	18	270				

Magnecraft CLASS 172 DRY REED RELAYS

Specifications:

- Contact resistance: 200mΩ max.
- Insulation resistance: 100MΩ @ 500VDC min.
- Dielectric withstanding voltage between contacts: 200Vrms



RoHS Compliant

* With clamping diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each			
							1	10	25	50
Class 172DIP, SPDT, 0.25 Amp										
528-172-1	W172DIP-1	B13	5	200	3.8	125				
528-172-3	W172DIP-3	B13	12	500	9	300				
* 528-172-5	W172DIP-5	B14	5	200	3.8	125				
* 528-172-7	W172DIP-7	B14	12	500	9	300				
528-172-8	W172DIP-8	B14	24	2200	18	270				
Class 172DIP, SPDT, 0.25 Amp										
528-172-141	W172DIP-141	B15	5	200	3.8	125				
528-172-145	W172DIP-145	B15	12	1000	9	144				
Class 172DIP, SPDT, 0.25 Amp										
* 528-172-147	W172DIP-147	B16	5	200	3.8	125				
* 528-172-149	W172DIP-149	B16	12	1000	9	144				
* 528-172-150	W172DIP-150	B16	24	3200	18	180				
Class 172DIP, SPDT, 0.25 Amp										
528-172-33	W172DIP-33	B17	12	500	9	290				
Class 172DIP, DPDT, 0.5 Amp										
* 528-172-21	W172DIP-21	B18	5	46	3.8	540				
* 528-172-23	W172DIP-23	B18	12	266	9	540				

© Copyright 2014 Mouser Electronics

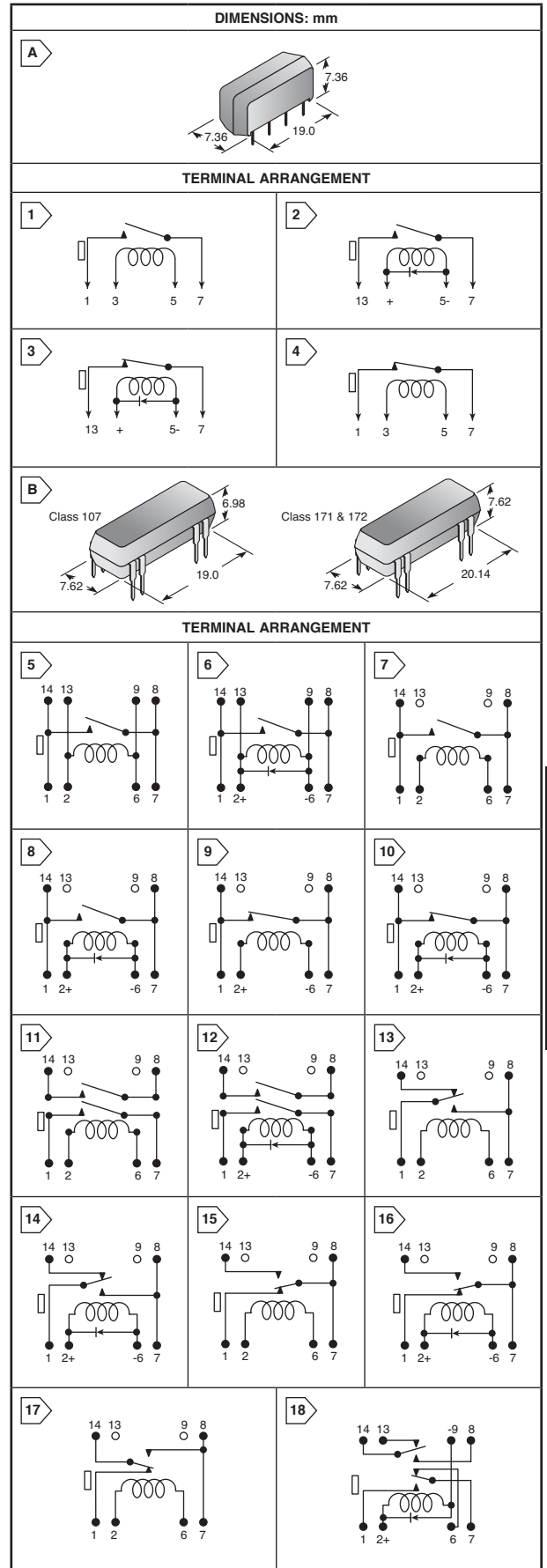
For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

mouser.com/magnecraft

EUsales@mouser.com

1781



Magnecraft Reed Relays

MEDER Reed Relays

RoHS Compliant This product is RoHS compliant.

MEDER CRF SERIES-7GHz HIGH FREQUENCY

- Features:**
- Available with BGA
 - Very low profile
 - Minimum path length for RF

- Applications:**
- High frequency applications
 - High speed applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Meder Part No.	Fig.	Description	Price Each
876-CRF05-1A	CRF05-1A	A	Reed Relay 1 Form A, 5V Surface Mount High Frequency	1 10

MEDER CRR SERIES-SURFACE MOUNT

- Features:**
- Ceramic/Thermoset molded package
 - Gold plated leads
 - Very low profile

- Applications:**
- Telecommunications
 - Test and measurement systems
 - Medical applications

876-CRR05-1A	CRR05-1A	B	Reed Relay 1 Form A, 5V Surface Mount Ultra Small Low Profile	
--------------	----------	---	---	--

MEDER DIP SERIES-MOLDED DIP

- Features:**
- Low and high profile package
 - Standard pin configurations
 - Versions with diode available
 - IC - pin compatible

- Applications:**
- Test and Measurements
 - Telecommunications
 - Security

876-DIP05-1A72-11L	DIP05-1A72-11L	B	Reed Relay, 1 Form A, 5V Molded Dip	
876-DIP05-1A72-11D	DIP05-1A72-11D	B	Reed Relay, 1 Form A, 5V Molded Dip with Diode	
876-DIP05-2A72-21D	DIP05-2A72-21D	B	Reed Relay, 2 Form A, SPST-NO, 5V Molded DIP with Diode	
876-DIP05-1A72-12L	DIP05-1A72-12L	B	Reed Relay 1 Form A, 5V Molded Dip	
876-DIP05-1A72-13L	DIP05-1A72-13L	B	Reed Relay, 1 Form A SPST-NO 5V Mold DIP	
876-DIP05-2A72-21L	DIP05-2A72-21L	B	Reed Relay 2 Form A 5V Molded Dip	
876-DIP05-1C90-51L	DIP05-1C90-51L	B	Reed Relay 1 Form C, 5V Molded Dip	
876-DIP12-1A72-12D	DIP12-1A72-12D	B	Reed Relay, 1 Form A, SPST-NO, 12V Molded DIP with Diode	
876-DIP12-1A72-12L	DIP12-1A72-12L	B	Reed Relay, 1 Form A, SPST-NO, 12V Molded DIP	
876-DIP12-1C90-51D	DIP12-1C90-51D	B	Reed Relay, 1 Form C, SPDT-Changeover, 12V Molded DIP w/Diode	
876-DIP12-1C90-51L	DIP12-1C90-51L	B	Reed Relay, 1 Form C, SPDT-Changeover, 12V Molded DIP	
876-DIP12-2A72-21D	DIP12-2A72-21D	B	Reed Relay, 2 Form A, SPST-NO, 12V Molded DIP with Diode	
876-DIP12-2A72-21L	DIP12-2A72-21L	B	Reed Relay, 2 Form A, SPST-NO, 12V Molded DIP	
876-DIP24-1A72-12D	DIP24-1A72-12D	B	Reed Relay, 1 Form A, SPST-NO, 12V Molded DIP with Diode	
876-DIP24-1A72-12L	DIP24-1A72-12L	B	Reed Relay, 1 Form A, SPST-NO, 12V Molded DIP	
876-DIP24-1C90-51D	DIP24-1C90-51D	B	Reed Relay, 1 Form C, SPDT-Changeover, 24V Molded DIP w/Diode	
876-DIP24-1C90-51L	DIP24-1C90-51L	B	Reed Relay, 1 Form C, SPDT-Changeover, 24V Molded DIP	
876-DIP24-2A72-21D	DIP24-2A72-21D	B	Reed Relay, 2 Form A, SPST-NO, 24V Molded DIP with Diode	
876-DIP24-2A72-21L	DIP24-2A72-21L	B	Reed Relay, 2 Form A, SPST-NO, 24V Molded DIP	

MEDER HIGH VOLTAGE/HIGH CURRENT REED RELAYS

A full spectrum of sizes, power, and high voltage switching options are just a few features offered, among the seven types of MEDER High Voltage/High Current Reed Relays, Switching voltages as high as 10kVDC and breakdown voltages to 15kVDC. Continuous carry current up to Amps and pulsed currents 30 Amps.

H Series				
876-H24-1A83	H24-1A83	C	Reed Relay, 1 Form A SPST-NO 12V HIV PCB	
HE Series				
876-HE12-1A83-02	HE12-1A83-02	D	Reed Relay 1 Form A SPST-NO 12 V High Voltage PCB	
876-HE12-1A83-03	HE12-1A83-03	D	Reed Relay 1 Form A SPST-NO 12 V High Voltage PCB	
HM Series				
876-HM12-1A69-150	HM12-1A69-150	E	Reed Relay, 1 Form A SPST-NO 12V HIV PCB	
876-HM24-1A83-02	HM24-1A83-02	E	Reed Relay, 1 Form A SPST-NO 24V HIV PCB	

MEDER LI SERIES-MINIATURE HIGH VOLTAGE PCB MOUNTING

- Features:**
- Smallest possible housing
 - Spacing saving package
 - High resistance available
 - Breakdown voltage 4.5kVDC
- Applications:**
- High voltage test systems
 - Cable and in-circuit test equipment
 - Battery operated high voltage test equipment

876-LI12-1A85	LI12-1A85	F	Reed Relay 1 Form A, 12V High Voltage PCB Mounting (Small Package)	
---------------	-----------	---	--	--

MEDER MS SERIES MICRO SIL REED RELAY

- Features:**
- Contact Form 1A, 1B and 2A
 - Coaxial shield option for 1A
 - Internal magnetic shield on all relays
 - Diode option available
 - High coil resistance option for 1A
 - UL available on most models

876-MS05-1A87-75DHR	MS05-1A87-75DHR	G	Reed Relay 1 Form A 5 V Micro SIL w/diode	
876-MS05-1A87-75LHR	MS05-1A87-75LHR	G	Reed Relay 1 Form A 5 V Micro SIL hi resist	
876-MS05-2A87-78D	MS05-2A87-78D	G	Reed Relay 2 Form A DPST-NO 5V Micro SIL with Diode	
876-MS05-2A87-78L	MS05-2A87-78L	G	Reed Relay, 2 Form A, DPST-NO, 5V Micro SIL (Single In-Line)	
876-MS05-2A87-78L	MS05-2A87-78L	G	Reed Relay, 2 Form A, DPST-NO, 5V Micro SIL (Single In-Line)	
876-MS12-1A87-75D	MS12-1A87-75D	G	Reed Relay 1 Form A 12 V Micro SIL with diode	

MEDER MRX SERIES-EX-APPROVED REED RELAYS

- Features:**
- Up to 4 form A switches or 1 form C switch are available according to the different castings

876-MRX05-1C21	MRX05-1C21	H	Ex-Approved Relays, 1 Form C, SPDT, 5V	
876-MRX05-1A71	MRX05-1A71	H	Ex-Approved Relays, 1 Form A, SPST-NO, 5V	
876-MRX12-1A71	MRX12-1A71	H	Ex-Approved Relays, 1 Form A, SPST-NO, 12V	
876-MRX12-1C90	MRX12-1C90	H	Ex-Approved Relays, 1 Form C, SPDT, 12V	

MEDER SIL SERIES-SINGLE IN LINE

- Features:**
- High resistance coils of up to 2000 Ω at 12V
 - Magnetic shield available
 - Breakdown voltage coil-contact up to 4.25kVDC
- Applications:**
- ATE
 - Measurement equipment
 - Telecommunications

876-SIL05-1A72-71D	SIL05-1A72-71D	I	Reed Relay 1 Form A, 5V SIL (Single In-Line) w/Diode	
876-SIL05-1A72-71L	SIL05-1A72-71L	I	Reed Relay 1 Form A, 5V SIL (Single In-Line)	
876-SIL05-1A85-76D2K	SIL05-1A85-76D2K	I	Reed Relay RELAY REED SPST-NO 5V 100W SIL	
876-SIL05-1A85-76L2K	SIL05-1A85-76L2K	I	Reed Relay RELAY REED SPST-NO 5V 100W SIL	
876-SIL051A8576L3K	SIL05-1A85-76L3K	I	Reed Relay, 1 Form A, SPST-NO, 5V SIL, High Power, 3kV breakdown	
876-SIL051A8576L4K	SIL05-1A85-76L4K	I	Reed Relay, 1 Form A, SPST-NO, 5V SIL, High Power, 4kV breakdown	
876-SIL05-1A85-76D3K	SIL05-1A85-76D3K	I	Reed Relay 1 Form A SPST-NO 5V SIL, HP 3kV with Diode	
876-SIL05-1A85-76D4K	SIL05-1A85-76D4K	I	Reed Relay 1 Form A SPST-NO, 5V SIL, HP 4kV with Diode	
876-SIL12-1A72-71L	SIL12-1A72-71L	I	Reed Relay 1 Form A 12 V SIL	
876-SIL12-1A72-71D	SIL12-1A72-71D	I	Reed Relay, 1 Form A, SPST-NO, 12V SIL (Single In-Line) w/Diode	
876-SIL24-1A72-71D	SIL24-1A72-71D	I	Reed Relay, 1 Form A, SPST-NO, 24V SIL (Single In-Line) w/Diode	
876-SIL24-1A72-71L	SIL24-1A72-71L	I	Reed Relay, 1 Form A, SPST-NO, 24V SIL (Single In-Line)	

MEDER UMS SERIES/MICRO SIL REED RELAYS

- Features:**
- Ultra miniature size
 - Standard in-line package
 - Internal diode
 - Internal magnetic shield
 - PCB through hole mounting
 - Hermetically sealed thermoset
 - Molded encapsulation
 - Dynamically tested contacts

876-UMS05-1A80-75D	UMS05-1A80-75D	J	Reed Relay, 1 Form A SPST-NO 5V SIL with Diode	
876-UMS05-1A80-75L	UMS05-1A80-75L	J	Reed Relay, 1 Form A SPST-NO 5V SIL	

DIMENSIONS: in. (mm)

A 8.60 (.3386) 4.40 (.1732) 3.40 (.1339) 0.05 (0.002) Coplanarity on base

B High profile package w/o magnetic shield: 19.30 (.760) 7.00 (.276) 7.50 (.295) 5.10 (.201) Low profile package w/o magnetic shield: 19.30 (.760) 6.40 (.252)

C **PRODUCT NEW**

D **PRODUCT NEW**

E **PRODUCT NEW**

F 30 (1.181) 10 (.394) 10.40 (.409)

G 19.80 (.780) 5.80 (.228) 7.80 (.307)

H 30 max. (1.181) 10 max. (.394) 10 max. (.394) **PRODUCT NEW**

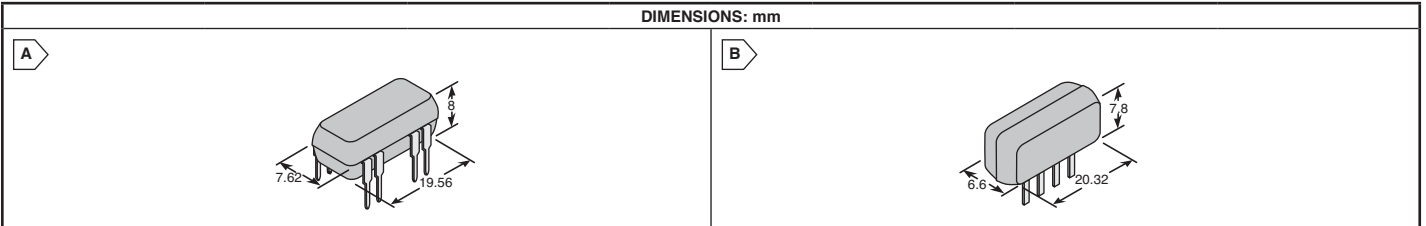
I 20.80 (.819) 8.50 (.335) 5.80 (.228) 15.24 (.600)

J **PRODUCT NEW**

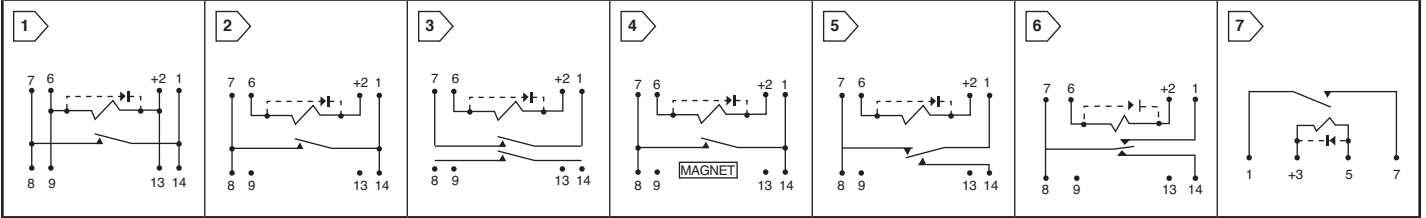
Meder Reed Relays

P&B Reed Relays

DIMENSIONS: mm



WIRING DIAGRAMS



JWD SERIES: DIP DRY REED RELAYS

Specifications:

- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current: 500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max
- 14-pin DIP



TE Connectivity

Reed Relays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ω)	Nominal Current	Price Each			
												1	25	50	100
655-JWD-107-1	JWD-107-1	A1	SPST-NO	10W	No	5/6VDC	3.8VDC	0.5VDC	19VDC	500	50/72mW				
655-JWD-107-5	JWD-107-5	A1	SPST-NO	10W	Yes	5/6VDC	3.8VDC	0.5VDC	19VDC	500	50/72mW				
655-JWD-107-3	JWD-107-3	A1	SPST-NO	10W	No	12VDC	9.6VDC	1.0VDC	19VDC	1200	120mW				
655-JWD-107-7	JWD-107-7	A1	SPST-NO	10W	Yes	12VDC	9.6VDC	1.0VDC	19VDC	1200	120mW				
655-JWD-171-5	JWD-171-5	A2	SPST-NO	10W	No	24VDC	19.2VDC	2.0VDC	40VDC	2150	268mW				
655-JWD-171-10	JWD-171-10	A2	SPST-NO	10W	Yes	24VDC	19.2VDC	2.0VDC	40VDC	2150	268mW				
655-JWD-171-25	JWD-171-25	A3	DPST-NO	10W	Yes	5/6VDC	3.8VDC	0.5VDC	14VDC	200	125/180mW				
655-JWD-171-23	JWD-171-23	A3	DPST-NO	10W	No	12VDC	9.6VDC	1.0VDC	19VDC	500	288mW				
655-JWD-171-27	JWD-171-27	A3	DPST-NO	10W	Yes	12VDC	9.6VDC	1.0VDC	19VDC	500	288mW				
655-JWD-171-24	JWD-171-24	A3	DPST-NO	10W	No	24VDC	19.2VDC	2.0VDC	40VDC	2200	262mW				
655-JWD-171-28	JWD-171-28	A3	DPST-NO	10W	Yes	24VDC	19.2VDC	2.0VDC	40VDC	2200	262mW				
655-JWD-171-12	JWD-171-12	A4	SPST-NC	10W	No	5/6VDC	3.8VDC	0.5VDC	7VDC	500	50/72mW				
655-JWD-171-17	JWD-171-17	A4	SPST-NC	10W	Yes	5/6VDC	3.8VDC	0.5VDC	7VDC	500	50/72mW				
655-JWD-171-14	JWD-171-14	A4	SPST-NC	10W	No	12VDC	9.6VDC	1.0VDC	16VDC	1200	120mW				
655-JWD-171-19	JWD-171-19	A4	SPST-NC	10W	Yes	12VDC	9.6VDC	1.0VDC	16VDC	1200	120mW				
655-JWD-171-15	JWD-171-15	A4	SPST-NC	10W	No	24VDC	19.2VDC	2.0VDC	40VDC	2200	262mW				
655-JWD-172-1	JWD-172-1	A5	SPDT	3W	No	5/6VDC	3.8VDC	0.5VDC	12VDC	200	125/180mW				
655-JWD-172-5	JWD-172-5	A5	SPDT	3W	Yes	5/6VDC	3.8VDC	0.5VDC	12VDC	200	125/180mW				
655-JWD-172-3	JWD-172-3	A5	SPDT	3W	No	12VDC	9.6VDC	1.0VDC	19VDC	500	288mW				
655-JWD-172-7	JWD-172-7	A5	SPDT	3W	Yes	12VDC	9.6VDC	1.0VDC	19VDC	500	288mW				
655-JWD-172-4	JWD-172-4	A5	SPDT	3W	No	24VDC	19.2VDC	2.0VDC	38VDC	2200	262mW				
655-JWD-172-8	JWD-172-8	A5	SPDT	3W	Yes	24VDC	19.2VDC	2.0VDC	38VDC	2200	262mW				
655-JWD-172-155	JWD-172-155	A6	SPDT	3W	No	5/6VDC	3.8VDC	0.5VDC	12VDC	200	125/180mW				
655-JWD-172-159	JWD-172-159	A6	SPDT	3W	Yes	5/6VDC	3.8VDC	0.5VDC	12VDC	200	125/180mW				
655-JWD-172-161	JWD-172-161	A6	SPDT	3W	Yes	12VDC	9.6VDC	1.0VDC	19VDC	1000	144mW				
655-JWD-172-158	JWD-172-158	A6	SPDT	3W	No	24VDC	19.2VDC	2.0VDC	38VDC	2150	268mW				
655-JWD-172-162	JWD-172-162	A6	SPDT	3W	Yes	24VDC	19.2VDC	2.0VDC	38VDC	2150	268mW				

JWS SERIES: SIP DRY REED RELAYS

Specifications:

- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current: 500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ω)	Nominal Current	Price Each			
												1	25	50	100
655-JWS-117-1	JWS-117-1	B7	SPST-NO	10W	No	5VDC	3.8VDC	0.5VDC	16VDC	500	50mW				
655-JWS-117-3	JWS-117-3	B7	SPST-NO	10W	No	12VDC	9.6VDC	1.0VDC	19VDC	530	272mW				
655-JWS-117-5	JWS-117-5	B7	SPST-NO	10W	No	24VDC	19.2VDC	2.0VDC	36VDC	2150	268mW				

Cii Solid State Relays

PANEL MOUNT POWER RELAYS

- Superior Surge Survival™
- 4000V Isolation
- Zero Cross Turn-On
- Direct Copper Bonded SCR's
- Current Limited Inputs
- Rated @ 40°C
- Safety Cover Included
- 800V Peak Blocking V (300V)
- 1200V Peak Blocking V (600V)
- High Surge Capability
- Built in Snubber



SVAA Series, 100VAC Input, Current Limited to 19mA Max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Turn-Off Voltage	Price Each			
								1	10	25	50
AC Control											
518-4410	SVAA/3V10	A	24-330	.05-10A	100-280VAC	2mA/19mA	20V/2mA				
518-4425	SVAA/3V25	A	24-330	.10-25A	100-280VAC	2mA/19mA	20V/2mA				
518-4450	SVAA/3V50	A	24-330	.10-50A	100-280VAC	2mA/19mA	20V/2mA				
518-4475	SVAA/3V75	A	24-330	.10-75A	100-280VAC	2mA/19mA	20V/2mA				
518-4650	SVAA/6V50	A	24-660	.10-50A	100-280VAC	2mA/19mA	20V/2mA				
518-4675	SVAA/6V75	A	24-660	.10-75A	100-280VAC	2mA/19mA	20V/2mA				

SVDA Series, 4-32VDC Input, Current Limited to 10mA Max.

For quantities greater than listed, call for quote.

DC Control											
MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VDC)	Output Current (Amps)	Control Voltage (VDC)	Control Current (mA) (min/max)	Turn On-Off Time (µsec.)	Price Each			
1	10	25	50								
518-4310	SVDA/3V10	A	24-330	.05-10A	4-32VDC	5.4mA/10mA	1VDC				
518-4325	SVDA/3V25	A	24-330	.10-25A	4-32VDC	5.4mA/10mA	1VDC				
518-4350	SVDA/3V50	A	24-330	.10-50A	4-32VDC	3.5mA/8mA	1VDC				
518-4375	SVDA/3V75	A	24-330	.10-75A	4-32VDC	3.5mA/8mA	1VDC				
518-4550	SVDA/6V50	A	24-660	.10-50A	4-32VDC	3.5mA/8mA	1VDC				
518-4575	SVDA/6V75	A	24-660	.10-75A	4-32VDC	3.5mA/8mA	1VDC				

SVDD Series, DC-DC Solid State Relay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (DC Volts)	Output Current (Amps)	Control Voltage (VDC)	Control Current (mA) (min/max)	Turn On-Off Time (µsec.)	Price Each			
1	10	25	50								
DC Control											
518-1312	SVDD/1V12	A	100	12	4-32	6	25				
518-1320	SVDD/1V20	A	100	20	4-32	6	25				
518-1340	SVDD/1V40	A	100	40	4-32	6	25				

SOLID STATE RELAY ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Description	Price Each			
1	10	25	50				
518-1400	COVER-SAFETY-000	A	Safety Cover for SV Series Hockey Puck Relays				

DIN RAIL MOUNT RELAYS, 48-660VAC OUTPUT

- Rugged Snubber Circuit
- Current Limited Inputs
- 4000V Isolation
- Superior Surge Survival™
- DIN Rail or Panel Mount
- Zero Cross Turn On
- Wide Input Ranges
- Rated @ 40°C
- No Need for Burden Resistor on AC Circuits
- Oversized SCR's (1400 Blocking Volts on 600v units)
- Super Efficient, 1.0W dissipated per Amp switches



RVAA Series, Single Phase AC Control

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VAC/IAC)	Price Each			
								1	10	25	50
518-2425	RVAA/6V25	B	24-660	.10-25	100-280VAC	9mA/25mA	20/2mA				
518-2440	RVAA/6V40	C	24-660	.10-40	100-280VAC	9mA/25mA	20/2mA				

RVDA Series, Single Phase DC Control

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VAC/IAC)	Price Each			
								1	10	25	50
518-2325	RVDA/6V25	B	24-660	.10-25	4-32VDC	3.5mA/8mA	1				
518-2340	RVDA/6V40	C	24-660	.10-40	4-32VDC	3.5mA/8mA	1				

RVMA Series, Single Phase 4-20mA Input, Time Proportioning Output

- All of the RV Series features above
- 4-20mA Process Input; High Speed, Time Proportioning AC Output
- Output Resolution of 1/2 Sinewave (8.3ms at 60Hz)

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Max Voltage Drop at 20mA (VDC)	Price Each			
						1	10	25	50
518-6625	RVMA/6V25	B	24-660	.10-25	6				
518-6640	RVMA/6V40	C	24-660	.10-40	6				

THREE PHASE SOLID STATE RELAYS

- Superior Surge Survival™
 - Rugged Snubber Circuit
 - Current Limited Inputs
 - MOV Option Available
 - Din Rail or Panel Mount
 - Rated @ 40°C
 - No Need for Burden Resistor on AC Circuits
 - Oversized SCR's (1400 Blocking Volts on 600v units)
 - 4000V Isolation
- These units can be wired for 3 phase 2 leg with a rating of 37.5 Amps per leg. 500V units have internal MOV installed

RVA3 Series, Three Phase AC Control

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each			
								1	10	25	50
518-3475	RVA3/6V75T/H	D	48-660	.10-30/leg	100-280VAC	10-33	20VAC				

RVD3 Series, Three Phase DC Control

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each			
								1	10	25	50
518-3575	RVD3/6V75T/L	D	48-660	.10-30/leg	4-32VDC	10-18	1VDC				
518-2333	RVD3/5V75T/H	D	48-560	.10-30/leg	4-32VDC	10-18	1VDC				

DIMENSIONS: in.

A

B

C

D

Cii Solid State Relays and I/O Modules

Invensys

Cii Continental FULLY INTEGRATED "INTELLIGENT" SOLID STATE RELAY

- DIN Rail or Panel Mount
- 4000V Isolation
- Zero Voltage Turn-On
- Direct Copper Bonded SCR's
- LED Indicator (Function and Alarm)
- Auto Shutdown on Over Temperature
- Touch Safe
- Safety Cover Included
- 1200V Peak Blocking V
- Built in, Replaceable Semiconductor Fuse



RSDA Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Line Voltage Range	Load Current Range	Min. Control Voltage and Current Draw	Price Each			
						1	10	25	50
DC Control									
518-6102	RSDA-660-75-100	A	48-660VAC	.10-75A	4VDC/6mA				

Invensys

Cii Continental MINI RAIL MOUNT INPUT MODULES

- High Density Design
- 0-70°C Operating
- LED Logic Indicator
- Color Coded Cases
- Positive or Negative Logic
- Optically Isolated
- TTL Compatible
- 4000 Volt Isolation
- 100% Tested



IAC Series, AC Input (Yellow Case)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each			
						1	10	25	50
518-3401	I.O.-IAC-R0-280	B	4-28VDC	100	20/20ms				
518-3403	I.O.-IAC+R0-280	B	4-28VDC	100	20/20ms				

IDC Series, DC Input (White Case)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each			
						1	10	25	50
518-3406	I.O.-IDC-R0-028	B	4-28VDC	100	30/60µs				
518-3407	I.O.-IDC+R0-028	B	4-28VDC	100	30/60µs				

Invensys

Cii Continental MINI RAIL MOUNT OUTPUT MODULES

- High Density Design
- Positive or Negative Logic
- Color Coded Cases
- LED Logic Indicator
- 0-70°C Operating
- Optically Isolated



OAC Series, AC Output (Black Case)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each			
						1	10	25	50
518-3404	I.O.-OAC-R0-280	C	4-28VDC	1500	12-280VAC				
518-3405	I.O.-OAC-RA-280	C	90-280VAC	40,000	12-280VAC				

ODC Series, DC Output (Red Case)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each			
						1	10	25	50
518-3411	I.O.-ODC-R0-060	C	4-28VDC	1500	5-60VDC				
518-3409	I.O.-ODC-RL-060	C	4-28VDC	1500	5-60VDC				

Invensys

Cii Continental RELAY ACCESSORIES

- Ten position jumper strips used to interconnect logic terminals, eliminating the need for small jumper wires. Plated and insulated. Can be cut to length.
- Thermal Transfer Pads are Die-cut to fit the base of our panel mount relays - an excellent replacement for thermal greases.
- DIN Rail mountable Heat Sinks are Drilled and Tapped to Fit Panel Mount Relays.

For quantities greater than listed, call for quote.

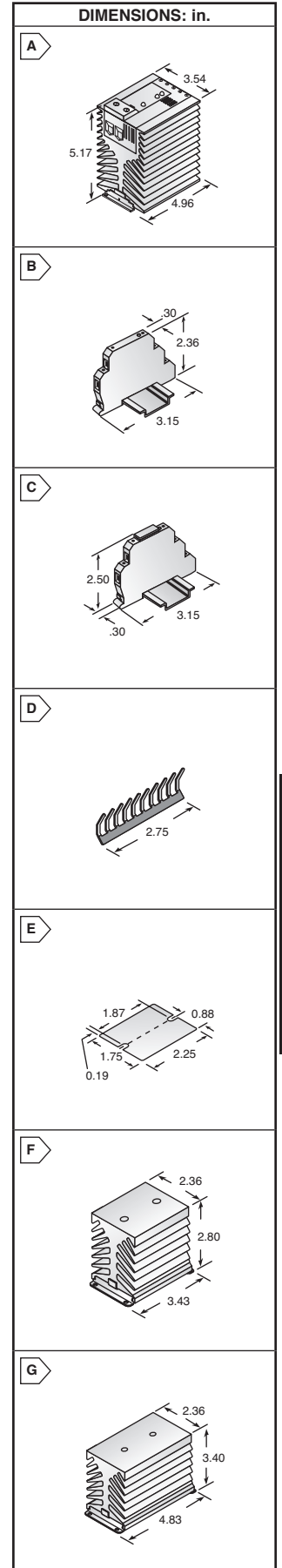
MOUSER STOCK NO.	Cii Part No.	Fig.	Description	Price Each			
				1	10	25	50
518-1401	I.O.-JUMPER-010	D	Ten position mini I/O jumper strip				
518-1403	THERMAL-PAD-025	E	Set of 25 Thermal transfer pads				
518-1423	HEATSK-DIN-1.6	F	Heat Sink 1.6°C/W (for most 10-40 Amp applications)				
518-1411	HEATSK-DIN-1.0	G	Heat Sink 1.0°C/W (for most 35-60 Amp applications)				

© Copyright 2014 Mouser Electronics

For current pricing,
visit mouser.com

EUsales@mouser.com

1785

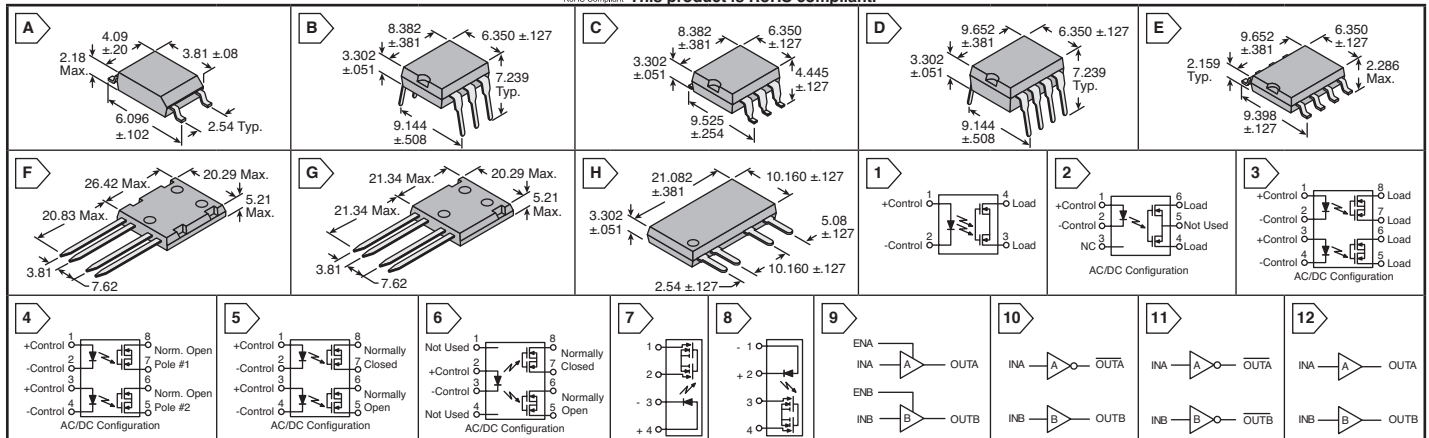


© Copyright 2014 Mouser Electronics

CLARE OptoMOS, Power Solid State Relays and MOSFETS



RoHS Compliant This product is RoHS compliant.



CLARE OPTICALLY ISOLATED SOLID STATE RELAYS

DIMENSIONS: mm

Features:

- Low drive current
- Optically isolated I/O
- Machine washable, wave solderable
- High reliability
- Operating Temp: -40°C to 85°C
- AC/DC switching

Applications:

- Telecommunications
- Industrial controls
- Security
- Datacommunications
- Medical equipment
- Instrumentation
- Electronic switching

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Load Voltage	Current Handling	On Resistance	Isolation Voltage	Input Control Current	Turn On/ Turn Off	Standard Package	Price Each		
											1	25	50
Single Pole Normally-Open: 1-Form-A													
849-CPC1008N	CPC1008N	A	1	100	150mA	8Ω	1500Vrms	2mA	2/0.5ms	4 Pin SOP			
849-CPC1030N	CPC1030N	A	1	350	120mA	30Ω	1500Vrms	2mA	2/1ms	4 Pin SOP			
849-CPC1035N	CPC1035N	A	1	350	100mA	35Ω	1500Vrms	2mA	2/1ms	4 Pin SOP			
849-CPC1230N	CPC1230N	A	1	350	120mA	30Ω	1500Vrms	2mA	2/1ms	4 Pin SOP			
849-LCA110	LCA110	B	2	350	120mA	35Ω	3750Vrms	2mA	3/3ms	6 Pin DIP			
849-LCA110S	LCA110S	C	2	350	120mA	35Ω	3750Vrms	2mA	3/3ms	6 Pin SMD			
849-LCA120	LCA120	B	2	250	170mA	20Ω	3750Vrms	5mA	5/5ms	6 Pin DIP			
849-LAA710	LAA710	D	3	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	8 Pin DIP			
849-LCA710	LCA710	B	2	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	6 Pin DIP			
849-LCA710S	LCA710S	C	2	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	6 Pin SMD			
849-PLA110	PLA110	B	2	400	150mA	22Ω	3750Vrms	5mA	1/0.25ms	6 Pin DIP			
849-PLA140	PLA140	B	2	400	250mA	8Ω	3750Vrms	5mA	3/1ms	6 Pin DIP			
849-PLA140S	PLA140S	C	2	400	250mA	8Ω	3750Vrms	5mA	3/1ms	6 Pin SMD			
849-PLA160	PLA160	B	2	300	50mA	100Ω	3750Vrms	10mA	0.05/0.05ms	6 Pin DIP			
849-LCA182	LCA182	B	2	350	120mA	35Ω	3750Vrms	0.25mA	3/3ms	6 Pin DIP			
Single Pole Normally Closed: 1-Form-B													
849-CPC1135N	CPC1135N	A	1	350	120mA	35Ω	1500Vrms	1mA	2/2ms	4 Pin SOP			
849-LCB110	LCB110	B	2	350	120mA	35Ω	3750Vrms	5mA	3/3ms	6 Pin DIP			
849-LCB120	LCB120	B	2	250	170mA	20Ω	3750Vrms	5mA	5/5ms	6 Pin DIP			
Dual Pole Normally-Open: 2-Form-A													
849-PAA140	PAA140	D	3	400	250mA	8Ω	3750Vrms	5mA	1.5/0.25ms	8 Pin DIP			
849-LAA110P	LAA110P	E	3	350	120mA	25Ω	3750Vrms	5mA	5/5ms	8 Pin SMD			
849-LAA127P	LAA127P	F	3	250	200mA	10Ω	3750Vrms	5mA	5/5ms	8 Pin SMD			
849-OAA160	OAA160	D	4	25	50mA	100Ω	3750Vrms	3mA	0.125/0.125ms	8 Pin DIP			
849-PAA132	PAA132	D	3	50	600mA	1Ω	3750Vrms	5mA	5/2ms	8 Pin DIP			
849-PAA191	PAA191	D	3	400	250mA	8Ω	5000Vrms	5mA	3/1ms	8 Pin DIP			
Dual Combination: Form-A & B													
849-LBA110	LBA110	D	5	350	120mA	35Ω	3750Vrms	5mA	3/3ms	8 Pin DIP			
849-LBA120	LBA120	D	5	250	170mA	20Ω	3750Vrms	5mA	5/5ms	8 Pin DIP			
Dual Pole Normally Closed: 2-Form-B													
849-LBB110	LBB110	D	3	350	120mA	35Ω	3750Vrms	5mA	3/3ms	8 Pin DIP			
849-XBB170	XBB170	D	3	350	100mA	50Ω	3750Vrms	5mA	5/5ms	8 Pin DIP			
Common Input: 1-Form-C													
849-LCC110	LCC110	D	6	350	120mA	35Ω	3750Vrms	8mA	4/4ms	8 Pin DIP			
849-LCC110P	LCC110P	E	6	350	120mA	35Ω	3750Vrms	8mA	4/4ms	8 Pin SMD			
849-LCC120	LCC120	D	6	250	170mA	20Ω	3750Vrms	10mA	5/5ms	8 Pin DIP			

CLARE POWER SOLID STATE RELAYS

Features:

- Handles loads up to 10A (rms)
- Switching speed (on/off): 20/5(ms)
- Input Control Current - 10mA
- Voltage Ratings up to 1000V
- Isolation Voltage - 2500Vrms

Applications:

- Consumer Appliances
- Industrial controls
- Robotics/Motor controls
- Test and Measurement equipment
- Medical Equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Function	Breakdown Voltage (V)	Current Handling	On Resistance	Standard Package	Price Each		
									1	25	50
849-CPC1979J	CPC1979J	F	7	1 Form A	600	5 A(rms)	0.75Ω	iso PLUS-264			
849-CPC1978J	CPC1978J	G	7	1 Form A	800	2.5 A(rms)	2.3Ω	i4-PAC			
849-CPC1906Y	CPC1906Y	H	8	1 Form A	60	10.0 A(rms)	.01Ω	Power SIP			

CLARE 4-AMPERE DUAL LOW-SIDE ULTRAFAST MOSFET DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Package Type	Price Each		
					1	10	100
849-IXDD604D2TR	IXDD604D2TR	-	9	8-Lead DFN			
849-IXDD604PI	IXDD604PI	-	9	8-Lead DIP			
849-IXDD604SI	IXDD604SI	-	9	8-Lead SOIC with Exposed, Grounded Metal Back			
849-IXDD604SIA	IXDD604SIA	-	9	8-Lead SOIC			
849-IXDF604PI	IXDF604PI	-	10	8-Lead DIP			
849-IXDF604SI	IXDF604SI	-	10	8-Lead SOIC with Exposed, Grounded Metal Back			
849-IXDF604SIA	IXDF604SIA	-	10	8-Lead SOIC			
849-IXDI604PI	IXDI604PI	-	11	8-Lead DIP			
849-IXDI604SI	IXDI604SI	-	11	8-Lead SOIC with Exposed, Grounded Metal Back			
849-IXDI604SIA	IXDI604SIA	-	11	8-Lead SOIC			
849-IXDN604PI	IXDN604PI	-	12	8-Lead DIP			
849-IXDN604SI	IXDN604SI	-	12	8-Lead SOIC with Exposed, Grounded Metal Back			
849-IXDN604SIA	IXDN604SIA	-	12	8-Lead SOIC			

CROUZET Input/Output Modules



CROUZET C4 SERIES I/O MODULES

- New Industry Standard Package
- Replaceable Fuse in Output Modules
- Color Coded Housing for AC or DC Input

Input Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Max. Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—C4IAC	874—C4IACA	90-140VAC	14mA	4.5-30VDC	50mA		
		140-280VAC	50mA	4.5-30VDC	50mA		
		10-32VDC	20mA	4.5-30VDC	50mA		



Output Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Max. Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—C4OAC	874—C4OACA	12-140VAC	3.0 Amps	4-32VDC	22mA		
		12-280VAC	3.0 Amps	4-32VDC	22mA		
		5-60VDC	3.0 Amps	4-32VDC	16mA		
		1-250VDC	1.0 Amps	4-32VDC	16mA		

Mounting Boards for C4 Series I/O Modules

*Including I/O modules and standoffs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Max. No. of I/O	Dimensions (LxWxH)*	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874—PB4C4	874—PB16C4	4	6.4 x 3.5 x 2.57	Screw Term.	Screw Term.		
		16	10 x 3.25 x 2.57	50-Pin Header	Screw Term.		
		16	9.5 x 3.25 x 2.57	Screw Term.	Screw Term.		

RoHS Compliant

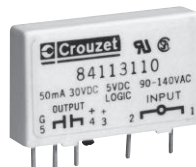
CROUZET SM SERIES 0.6" I/O MODULES

- New Industry Standard Package
- Output Ratings up to 5Amps
- Color Coded Housing for AC or DC Input

Input Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Max. Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—SMIAC5	874—SMIAC5A	90-140VAC/DC	5mA rms	5VDC	50mA		
		180-280VAC	5mA rms	5VDC	50mA		
		3.3-32VDC	35mA	5VDC	50mA		



Output Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Output Voltage	Max. Output Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—SMOAC5	874—SMOAC5A	12-140VAC	3.5Arms	5VDC	20mA		
		24-280VAC	3.5Arms	5VDC	20mA		
		24-280VAC	5Arms	5VDC	20mA		
		3-60VDC	3.0A	5VDC	18mA		

Mounting Boards for SM Series I/O Modules

*Including I/O modules and standoffs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Max. No. of I/O	Dimensions (LxWxH)*	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874—PB8SM	874—PB16SM	8	6.4 x 3.5 x 1.9	Card-Edge	Screw Term.		
		16	10.4 x 3.5 x 1.9	Card-Edge	Screw Term.		
		24	13 x 3.75 x 1.9	Card-Edge	Screw Term.		

RoHS Compliant

CROUZET QUAD SERIES I/O MODULES

- Industry Standard Package
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator
- 4 Modules in one package

Input Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Max. Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—IAC5Q	874—IAC5AQ	90-140VAC	6mA	5VDC	50mA		
		140-280VAC	5mA	5VDC	50mA		
		10-60VDC	34mA	5VDC	50mA		
		4-32VDC	68mA	5VDC	50mA		



Output Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—OAC5Q	874—OAC5AQ	12-140VAC	3.5Amps	5VDC	20mA		
		24-280VAC	3.5Amps	5VDC	20mA		
		3-60VDC	3.0Amps	5VDC	18mA		
		3-60VDC	3.0Amps	5VDC	18mA		

Mounting Boards for Quad Series I/O Modules

*Including I/O modules and standoffs

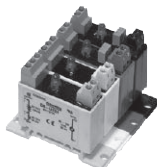
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Max. No. of I/O	Dimensions (LxWxH)*	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874—PB16Q	874—PB24Q	4	5.8 x 6.0 x 3.9	Edge Card	Screw Term.		
		6	8 x 6 x 3.9	Edge Card	Screw Term.		
		8	10.2 x 6.2 x 3.9	Edge Card	Screw Term.		

RoHS Compliant

CROUZET EPOXY ENCAPSULATED DIN RAIL INPUT MODULES

- DIN Rail Mountable I/O Modules
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator



RoHS Compliant

Input Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—DRIAC5	874—DRIDC5	90-140VAC/DC	5mA	5VDC	50mA		
		4-32VDC	34mA	5VDC	50mA		

Output Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—DRODC5		3-60VDC	3A	5VDC	18mA		

CROUZET 17.5MM DIN RAIL INPUT MODULES

- DIN Rail Mountable I/O Modules
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator



RoHS Compliant

Input Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—84115501	874—84115503	90-140VAC/DC	14mA	4.5-30VDC	50mA		
		4-32VDC	35mA	4.5-30VDC	50mA		

Output Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874—84130104	874—84130105	5-48V	5Arms	4-32VDC	22mA		
		3-60VDC	3A	4-32VDC	22mA		

CRYDOM SERIESE DR DIN RAIL MOUNTED AC AND DC OUTPUT SOLID STATE RELAYS

Features:

- Ratings of 6 and 12 Amps
- Load voltage ratings of 2-60VDC, 2-100VDC, 24-280VAC and 48-600VAC
- Fits standard 35mm DIN-RAIL
- LED input status indicator
- AC or DC control
- Zero-crossing (resistive loads) or random turn-on (inductive loads) output
- 100K-cycle UL 508 Endurance Rating for Enhanced Reliability



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Output Voltage	Control Voltage	Price Each		
					1	10	50
558-DR06D06	DR06D06	A	1 to 60VDC	4 to 32VDC			
558-DR06D12	DR06D12	A	1 to 60VDC	4 to 32VDC			
558-DR10D06	DR10D06	A	1 to 100VDC	4 to 32VDC			
558-DR10D12	DR10D12	A	1 to 100VDC	4 to 32VDC			
558-DR24D06	DR24D06	A	24 to 280VAC	4 to 32VDC			
558-DR24D12	DR24D12	A	24 to 280VAC	4 to 32VDC			
558-DR48D06	DR48D06	A	48 to 600VAC	4 to 32VDC			
558-DR48D12	DR48D12	A	48 to 600VAC	4 to 32VDC			

CRYDOM CTR SERIES

Features and Benefits:

- Ratings 25A per phase @ 600VAC
- DIN-RAIL or Panel Mount 90mm (width) package
- 100K-cycle UL 508 Endurance Rating for Enhanced Reliability
- SCR output for heavy industrial loads
- LED input status indicator
- AC or DC control
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- 48 to 600VAC line voltage rating
- UL Recognized, CE, RoHS and EMC Compliant



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Price Each		
				1	10	25
558-CTRD6025	CTRD6025	B	4 - 32VDC			

CRYDOM CN SERIES OF SINGLE IN-LINE PLUGGABLE SOLID STATE RELAYS, DIN RAIL MOUNTED SOCKETS AND ASSEMBLIES

CN Series SSRs Features and Benefits:

- 5mm Mini SIP SSRs
- Ratings 24VDC @ 3.5A, 48VDC @ 100mA and 240VAC @ 2Ar
- DC Control 5, 24 and 60V
- IP67-protected fully encapsulated

DRACN Series Assemblies Features and Benefits:

- 6.2mm Base Terminal Block Design
- 5 and 24VDC and 120 and 240VAC Control Input Options
- 24VDC @ 3.5A, 48VDC @ 100mA and 240VAC @ 2A Operating Voltage Rating
- Socket clip fits all standard 35 mm DIN rails



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Voltage	Price Each		
				1	10	25
CN Series						
558-CN024D05	CN024D05	C	24VDC, 3.5A			
558-CN024D24	CN024D24	C	24VDC, 3.5A			
558-CN240A05	CN240A05	C	240VAC, 2A			
558-CN240A24	CN240A24	C	240VAC, 2A			
DRACN Series Assemblies						
558-DRA-CN024D05	DRA-CN024D05	D	24VDC, 3.5A			
558-DRA-CN024D24	DRA-CN024D24	D	24VDC, 3.5A			
558-DRA-CN240A05	DRA-CN240A05	D	240VAC, 2A			

CRYDOM SERIES CKM (DIN RAIL AND PANEL MOUNT)

Features and Benefits:

- Ratings from 10A to 30A @ 60VDC
- Slim 22.5mm (width) package
- Low Leakage
- LED input status indicator
- DC control



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Max Load Current	Price Each		
				1	10	25
558-CKM0610	CKM0610	E	10 AMPS			
558-CKM0620	CKM0620	E	20 AMPS			
558-CKM0630	CKM0630	E	30 AMPS			

CRYDOM CMX SERIES

Features and Benefits:

- SIP SSR
- Ratings to 20A @ 60VDC, 10A @ 100VDC, 10A @ 60VDC and 3A @ 200VDC
- MOSFET output
- DC control
- Low on-state impedance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Max Load Current	Price Each		
				1	10	25
558-CMX100D10	CMX100D10	F	10 AMPS			
558-CMX60D10	CMX60D10	F	10 AMPS			
558-CMX60D5	CMX60D5	F	5 AMPS			

CRYDOM UPD SERIES

Features and Benefits:

- SIP SSR
- 3 Output Channels in one package with common control input
- Ratings per channel of 15A @ 280VAC
- PCB Mount Package or Panel Mount quick connect terminals (F option)
- SCR output for heavy industrial loads
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- Single Channel Ratings of 15A and 25A @ 280VAC



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Max Load Current	Price Each		
				1	10	25
558-UPD2415DF	UPD2415DF	G	15 AMPS			
558-UPD2415TP-10	UPD2415TP-10	G	15 AMPS			
558-UPD2425	UPD2425	G	25 AMPS			
558-UPD2425F	UPD2425F	G	25 AMPS			
558-UPD2425F-10	UPD2425F-10	G	25 AMPS			

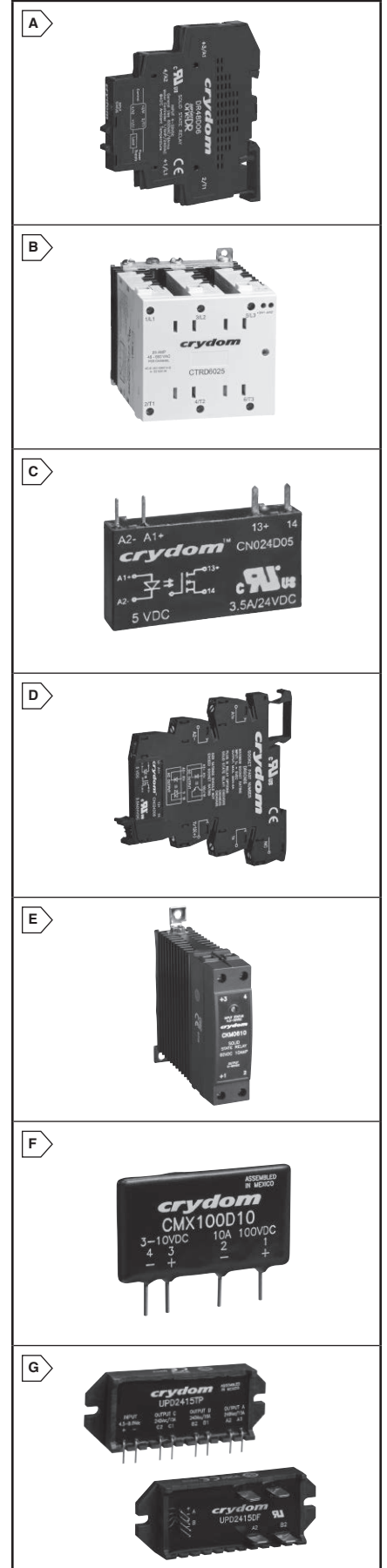
CRYDOM SERIES F EMI NOISE FILTER

Features and Benefits:

- Suppresses EMI Noise
- AC Output
- Simple Installation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Connection	Operating Voltage (Max)	Attenuation (Typ)	Current Drain @ Vrms (Max)	Price Each		
						1	10	25
558-3F20	3F20	3	475Vrms	25dBµV	35mA			



CRYDOM PC Mount Solid State Relays

crydom

RoHS Compliant This product is RoHS compliant.

CRYDOM SERIES SPF (25A, 280VAC OUTPUT, SIP)

Features/Specifications:

- SCR Output
- DC Control

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage	Control Current	Must Release Voltage	Price Each		
						1	10	25
558-SPF240D25	SPF240D25	0.06-25Arms	12-280VDC	3-15VDC	1VDC			
558-SPFE240D25	SPFE240D25	0.06-25Arms	12-280VDC	15-32VDC	1VDC			



CRYDOM SERIES DPA, SDV (1-1.5A, 240V SCR OUTPUT)

Features/Specifications:

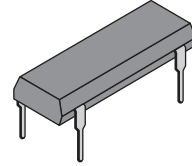
- 16 Pin DIP package
- Voltage or current operated versions
- High packaging density

- Operating temperature: -30°C to 80°C
- Isolation voltage: 3750Vrms
- Load current: 0.01 - 1.0 Arms
- Control current: 15mA @ 5VDC

LR81689 E116950

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VAC)	Control Voltage (VDC)	Price Each		
				1	10	25
558-DPA4111	DPA4111	20-140	*10-50mA			
558-DPA4119	DPA4119	20-140	3.5-10			
558-DPA6111	DPA6111	20-280	*10-50mA			
558-DPA6119	DPA6119	20-280	3.5-10			
558-SDV2415	SDV2415	12-280	3.5-10			



CRYDOM SERIES LR (25-40 AMP, 120/240/480 VAC, AC OUTPUT)

Features/Specifications:

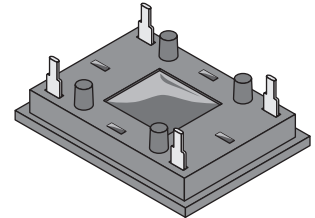
- DC Control, AC Output
- Zero cross switching
- Up to 1200V transient capability

- SCR Output
- Switching voltage mode: AC
- Min. load current: 15mA
- Min. turn off voltage: 1VDC
- Control voltage: 4-32VDC

CE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current Max.	Load Voltage Range	Price Each			
				1	10	25	50
558-LR600240D25	LR600240D25	25 Arms	24-280Vrms				
558-LR600240D40	LR600240D40	40 Arms	24-280Vrms				
558-LR1200480D40	LR1200480D40	40 Arms	48-530Vrms				



CRYDOM SERIES D2W (2-3.5 AMPS, 120/240VAC, AC OUTPUT SIP)

Features/Specifications:

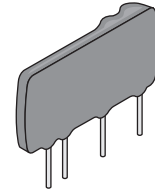
- Triac output
- Zero voltage switching
- Internal snubber

- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms
- Line voltage: 24-280VDC
- Control voltage: 3-32VDC
- Control current: 3mA @ 5VDC
- Must release voltage: 1VDC

LR81689 E116950

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current Range	Price Each			
			1	10	25	50
558-D2W202F	D2W202F	.06-2.0ADC				
558-D2W203F	D2W203F	.06-3.0ADC				
558-D2W203F-11	D2W203F-11	.06-3.5ADC				



CRYDOM SERIES LC: (1.5 AMP, 120/240 VAC - AC OUTPUT MINI-SIP)

The LC241 series is rated up to 1.5A (SPST-NO) and is designed for general purpose AC loads. In most applications a snubber is not required.

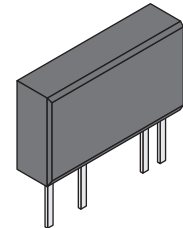
Features/Specifications:

- Compact for high density PCB mount
- Cost effective solution
- DC Control, AC Output

E116950 E116950

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage	Control Voltage	Control Current	Price Each		
						1	10	25
558-LC241	LC241	0.025-1.5Arms	21-280VAC	4-10VDC	15mA @ 5VDC			
558-LC241R	LC241R	0.025-1.5Arms	21-280VAC	4-10VDC	15mA @ 5VDC			



CRYDOM SERIES PF (25A, 280VAC OUTPUT, MINI-SIP)

Crydom's PowerFin™ series delivers the highest ratings of any single in-line package (SIP). The integral heat sink design can operate at 25 amps RMS in forced air at 85°C case temp. With natural convection in free air, it rates 10 amps RMS at 25°C ambient. Built-in advantages include Surface Mount Technology and SCR output.

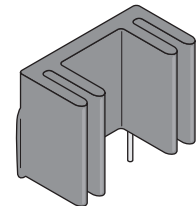
Features/Specifications:

- SCR Output
- DC Control
- Isolation voltage: 4000Vrms

70938 E116950

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage	Control Current	Must Release Voltage	Price Each		
						1	10	25
558-PF240D25	PF240D25	0.06-25Arms	12-280VAC	15mA @ 5VDC	1VDC			
558-PF240D25R	PF240D25R	0.06-25Arms	12-280VAC	15mA @ 5VDC	1VDC			



CRYDOM SERIES LS (8-12 AMP, 120/240 VAC, AC OUTPUT SIP)

Crydom's LS family of SPST-NO relays achieves the highest power switching capability in a PC-mounted air-cooled package. Output consists of an SCR AC switch and is available in zero-cross and random turn-on (Suffix R). Advanced features include exceptional steady state current, plus high surge ratings. Metal baseplate design for direct attachment of external heatsink to achieve higher current rating.

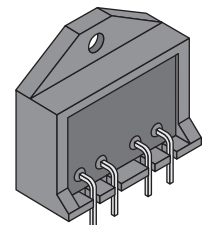
Features/Specifications:

- High surge rated SCR output
- No moving parts
- Zero cross turn on

LR81689 E116950 E2072777

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage	Control Voltage	Must Release Voltage	Price Each		
						1	10	25
558-LS240D8	LS240D8	8-15mA	24-280Vrms	4-10VDC	1VDC			
558-LS240D12	LS240D12	12-15mA	24-280Vrms	4-10VDC	1VDC			
558-LSE240D8	LSE240D8	8-15mA	24-280Vrms	20-28VDC	1VDC			
558-LSE240D12	LSE240D12	12-15mA	24-280Vrms	20-28VDC	1VDC			



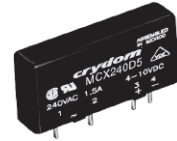
CRYDOM MCX SERIES (5A SIP) PC MOUNT RELAYS

Features/Specifications:

- Load current range: 0.06-5.0A
- DC control
- Operating voltage range: 12-280VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Control Voltage Range	Load Voltage Range	Load Current Rating	Price Each		
					1	10	25
558-MCX240D5	MCX240D5	4-15VDC	12-280VAC	0.06-5.0Arms			
558-MCX240D5R	MCX240D5R	4-15VDC	12-280VAC	0.06-5.0Arms			
558-MCXE240D5	MCXE240D5	15-32VDC	12-280VAC	0.06-5.0Arms			



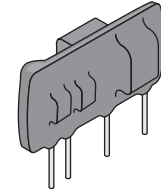
CRYDOM SERIES DO PC MOUNT RELAYS

Features/Specifications:

- Load current range: 0.02-1.0A
- Mini-SIP mounting
- Operating voltage range: 3-60VDC
- DC control
- DC Switching- SPST-NC
- Low profile package

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Input Voltage	Output Voltage	Price Each			
				1	10	25	50
558-DO061A-B	DO061A-B	3-9VDC	3-60VDC				
558-DO061B-B	DO061B-B	1.7-9VDC	3-60VDC				



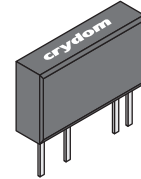
CRYDOM SERIES MPDC PC MOUNT RELAYS

Features/Specifications:

- Bipolar transistor output
- DC Switching- SPST-NC
- Load current range: 0.02-3.0A Vrms
- SIP mount
- Operating voltage range: 0-60VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Input Voltage	Output Voltage	Price Each			
				1	10	25	50
558-MPDCD3-B	MPDCD3-B	3-32VDC	3-60VDC				



CRYDOM SERIES AO/ASO (1-2A, AC MINI-SIP)

AO models offer Triac output, ASO models are SCR output. The AO241 (R) are rated up to 1.0A, the ASO241(R) up to 1.5A SPST-NO, and the ASO242(R) up to 2.0A. AO models are designed for switching highly inductive, low current loads such as solenoids. Available in either zero voltage or random switching (R) versions.

Features/Specifications:

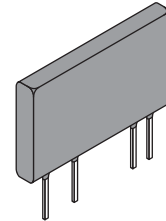
- Triac (AO) or SCR (ASO) output
- DC Control, AC Output
- Operating temperature: -30°C to 80°C
- Control voltage: 4-10VDC
- Control current: 15mA @ 5VDC
- Must release voltage: 1VDC
- Isolation voltage: 2500Vrms



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range	Price Each		
				1	10	25
558-ASO241	ASO241	24-280VAC	.025-1.0Arms			
* 558-ASO241R	ASO241R	24-280VAC	.025-1.0Arms			
558-ASO242	ASO242	12-280VAC	0.6-2.0Arms			
* 558-ASO242R	ASO242R	12-280VAC	0.6-2.0Arms			

*R suffix indicates random turn-on



CRYDOM SERIES DO/DMO (1-3A, DC MINI-SIP)

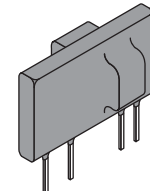
SPST-NO DC output relays in epoxy coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output rated at 3A/60VDC.

Features/Specifications:

- Bipolar (DO) or MOSFET (DMO) Output
- DC Control, DC Output
- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms, 4000Vrms (DO)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (ADC)	Control Voltage	Control Current @ 5VDC (mA)	Must Release Voltage (VDC)	Price Each			
							1	10	25	50
558-DMO063	DMO063	0-60VDC	0-3.0ADC	3-10VDC	20	1.0				



CRYDOM SERIES CX (5A, AC SIP)

Crydom's family of SPST-NO relays achieves the highest power switching capability in a PC-mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings. Models are available to switch up to 669 Vrms with AC or DC control, and either zero-cross or random turn-on (R) switching versions. Pinout is compatible with OAC type I/O modules.

Features/Specifications:

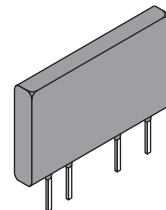
- SCR Output
- Operating temperature: -30°C to 80°C
- Ultra high surge rating
- Isolation voltage: 4000Vrms



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range	Control Voltage	Control Current	Price Each				
						1	10	25	50	
DC Input										
558-CX240D5	CX240D5	12-280VAC	.06-5.0ADC	3-15VDC	15mA @ 5VDC					
* 558-CX240D5R	CX240D5R	12-280VAC	.06-5.0ADC	3-15VDC	15mA @ 5VDC					
558-CXE240D5	CXE240D5	12-280VAC	.06-5.0ADC	15-32VDC	15mA @ 24VDC					
558-CX380D5	CX380D5	48-530VAC	.06-5.0ADC	4-15VDC	15mA @ 5VDC					
558-CXE380D5	CXE380D5	48-530VAC	.06-5.0ADC	15-32VDC	15mA @ 24VDC					
558-CX480D5	CX480D5	48-660VAC	.06-5.0ADC	4-15VDC	15mA @ 5VDC					
AC Input										
558-CXE240A5	CXE240A5	12-280VAC	.06-5.0Arms	18-36VAC	5mA @ 24VDC					

*R suffix indicates random turn-on



CRYDOM SERIES MP TRIAC AC OUTPUT SIP PC MOUNT SSR'S (3-4A, 120/240VAC)

Available in 3Arms and 4Arms ratings, all are SPST-NO PC-mount relays that provide greater packaging density and compatibility with pinout of Series 6 and OAC output modules.

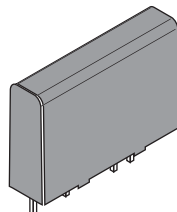
Features/Specifications:

- Triac AC Output SIP
- Operating temperature: -40°C to 80°C
- 5, 15, and 24 Volt logic system compatible
- Isolation voltage: 4000Vrms
- SPST-NO
- Control voltage: 3-32VDC
- Must release voltage: 1VDC
- Control current: 2.6mA @ 5VDC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (Arms)	Surge Voltage	Price Each			
					1	10	25	50
558-MP120D3	MP120D3	12-140	.02-3.0	90				
558-MP240D3	MP240D3	24-280	.02-3.0	90				
558-MP240D4	MP240D4	24-280	.02-4.0	130				



CRYDOM Panel Mount Solid State Relays *crydom*

Products may be RoHS compliant. Check mouser.com for RoHS status.

CRYDOM SERIES 1 (10-125A, 120/240VAC OUTPUT)

Features/Specifications:

- Output - SCR AC switch
- Zero voltage and random
- Internal snubber
- Operating temperature: -40°C to 80°C

DC Control:

- Control voltage: 3-32VDC
- Control current: 3.4mA @ 5VDC
- Higher Amps Available

AC Control:

- Control voltage: 90-280VAC
- Control current: 2mA @ 120VAC

* Non-zero cross, phase controllable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current (Amps)	Isolation Voltage	Must Release Voltage	Price Each		
							1	10	25
DC Control									
558-D1210	D1210	A	24-140	.04-10	4000Vrms	1VDC			
558-D1225	D1225	A	24-140	.04-25	4000Vrms	1VDC			
558-D1240	D1240	A	24-140	.04-40	4000Vrms	1VDC			
558-D1240-B	D1240-B	A	24-280	.04-40	4000Vrms	1VDC			
558-D2450-B	D2450-B	A	24-280	.05-40	4000Vrms	1VDC			
558-D2475-10	D2475-10	A	24-280	.05-40	4000Vrms	1VDC			
558-D2490-10	D2490-10	A	24-280	.05-40	4000Vrms	1VDC			
558-D2410	D2410	A	48-280	.04-10	4000Vrms	1VDC			
558-D2425	D2425	A	48-280	.04-25	4000Vrms	1VDC			
* 558-D2425-10	D2425-10	A	48-280	.04-25	4000Vrms	1VDC			
558-D2440	D2440	A	48-280	.04-40	4000Vrms	1VDC			
* 558-D2440-10	D2440-10	A	48-280	.04-40	4000Vrms	1VDC			
558-D2450	D2450	A	48-280	.04-50	4000Vrms	1VDC			
* 558-D2450-10	D2450-10	A	48-280	.04-50	4000Vrms	1VDC			
558-D2475	D2475	A	48-280	.04-75	4000Vrms	1VDC			
558-D2490	D2490	A	48-280	.04-90	4000Vrms	1VDC			
558-D4825	D4825	A	80-530	.04-25	4000Vrms	1VDC			
558-D4840	D4840	A	80-530	.04-40	4000Vrms	1VDC			
558-D4850	D4850	A	80-530	.04-50	4000Vrms	1VDC			
558-D4875	D4875	A	80-530	.04-75	4000Vrms	1VDC			
AC Control									
558-A1225	A1225	A	24-140	.04-25	4000Vrms	10VAC			
558-A1240	A1240	A	24-140	.04-40	4000Vrms	10VAC			
558-A2450-10	A2450-10	A	24-280	.04-50	4000Vrms	10VAC			
558-A2410	A2410	A	48-280	.04-10	4000Vrms	10VAC			
558-A2425	A2425	A	48-280	.04-25	4000Vrms	10VAC			
558-A2440	A2440	A	48-280	.04-40	4000Vrms	10VAC			
558-A2450	A2450	A	48-280	.04-50	4000Vrms	10VAC			
558-A2475	A2475	A	48-280	.04-75	4000Vrms	10VAC			
558-A4850	A4850	A	80-530	.04-50	4000Vrms	10VAC			
558-A4875	A4875	A	80-530	.04-75	4000Vrms	10VAC			

CRYDOM 53 SERIES (25-50 AMP, 3 PHASE, IP20 OR IP00, MOTOR REVERSING)

Features/Specifications:

- SCR output for heavy industrial loads
- AC or DC Control
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- Transient protection built in
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control	Type	Load Current	Price Each	
						1	10
558-D53TP25D	D53TP25D	B	3-32V	3 Controlled	05-25		
558-D53TP50D	D53TP50D	B	3-32V	3 Controlled	05-50		
558-A53TP25D	A53TP25D	B	90-280V	3 Controlled	05-25		
558-B53TP25C	B53TP25C	C	90-140V	3 Switched Channels	25A		
558-B53TP50CH	B53TP50CH	C	90-140V	3 Switched Channels	25A		
558-C53TP25CH-10	C53TP25CH-10	C	180-240V	3 Switched Channels	25A		
558-D53TP50CH	D53TP50CH	C	4-32V	3 Switched Channels	25A		
558-E53TP25C-10	E53TP25C-10	C	18-32V	3 Switched Channels	25A		
558-E53TP50C	E53TP50C	C	18-32V	3 Switched Channels	25A		
558-D53RV50C	D53RV50C	D	4-32V	3 Switched Channels	25A		

CRYDOM DUAL RELAYS, SCR OUTPUT

Two totally independent AC output relays come in a single standard panel-mount package. Utilizing an AC switch output with internal snubber, relays provide greater protection against false triggering.

Features/Specifications:

- Industry standard package
- Zero voltage switching
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Control current: 15mA @ 5VDC
- Must release voltage: 1VDC
- Random turn-on, phase controllable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (VAC)	Control Voltage (VDC)	Line Voltage (VAC)	Price Each	
						1	10
558-D2425D	D2425D	E	.15-25	4-15	24-280		
558-D2440D	D2440D	E	.15-40	4-15	24-280		
558-D2440D-10	D2440D-10	E	.15-40	4-15	24-280		

CRYDOM CW SERIES (10-125A, 120/240/480/600VAC)

Features/Specifications:

- Integrated fingerproof cover
- EMC compliant design
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (Vrms)	Load Current (Arms)	Control Voltage	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each		
									1	10	25
DC											
558-CWD2410	CWD2410	F	24-280	.15-10	3-32VDC	10mA @ 5VDC	1VDC	400			
558-CWD2425	CWD2425	F	24-280	.15-25	3-32VDC	10mA @ 5VDC	1VDC	600			
558-CWD2450	CWD2450	F	24-280	.15-50	3-32VDC	10mA @ 5VDC	1VDC	850			
558-CWD2490	CWD2490	F	24-280	.25-90	3-32VDC	10mA @ 5VDC	1VDC	1350			
558-CWD4850	CWD4850	F	48-660	.15-50	4-32VDC	10mA @ 5VDC	1VDC	850			
558-CWD48125	CWD48125	F	48-660	.25-125	4-32VDC	10mA @ 5VDC	1VDC	2000			
AC											
558-CWA2410	CWA2410	F	24-280	.15-10	90-280Vrms	6mA @ 120Vrms	10Vrms	400			
558-CWA2425	CWA2425	F	24-280	.15-25	90-280Vrms	6mA @ 120Vrms	10Vrms	600			
558-CWA2450	CWA2450	F	24-280	.15-50	90-280Vrms	6mA @ 120Vrms	10Vrms	850			
558-CWA24125	CWA24125	F	24-280	.25-125	90-280Vrms	6mA @ 120Vrms	10Vrms	2000			

© Copyright 2014 Mouser Electronics

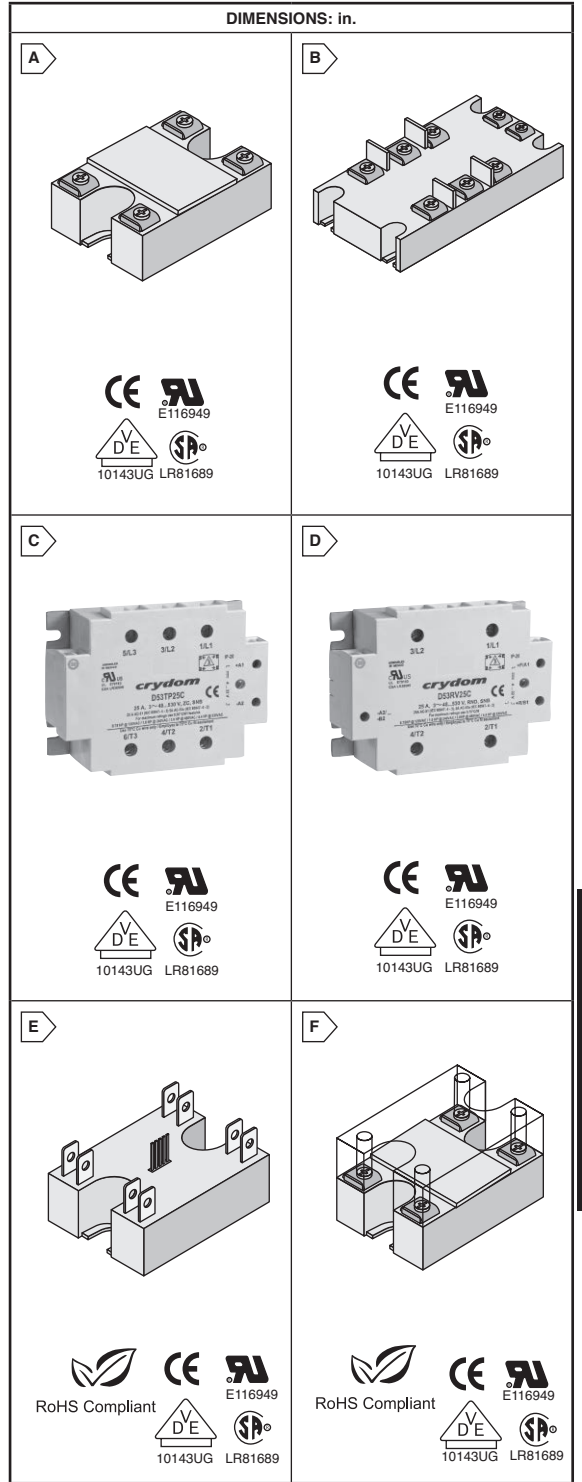
For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

mouser.com/crydom

EUsales@mouser.com

1791



Crydom Solid State Relays

CRYDOM Panel Mount Solid State Relays



CRYDOM H1 SERIES 25-90 AMP, 40-660V, AC OUTPUT

- Control voltage: 4VDC-32VDC
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- SCR output for heavy industrial loads
- UL/CSA/VDE Approved, CE Compliant to EN60950-1, IEC 60947(H12)
- Optional LED Status Indicator



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Operating Voltage (VAC)	Load Voltage	Price Each	
				1	10
1200 Volt Blocking					
558-H12D4850	H12D4850	48-530	50A		
558-H12D4890	H12D4890	48-530	90A		
558-H12WD4850	H12WD4850	48-660	50A		
558-H12WD4890	H12WD4890	48-660	90A		
1600 Volt Blocking					
558-H16WD6050	H16WD6050	48-660	50A		
558-H16WD6050G	H16WD6050G	48-660	50A		
558-H16WD6090	H16WD6090	48-660	90A		
558-H16WD6090G	H16WD6090G	48-660	90A		



CRYDOM 1-DC SERIES (7-40AMP, DC 100-400VDC OUTPUT)

Features/Specifications:

- Output - DC, MOSFET
- Paralleling capability
- Control current: 1.6mA
- Input - DC control
- Operating temperature: -30°C to 80°C
- Control voltage: 3.5VDC-32VDC
- Low on-state resistance
- Isolation voltage: 2500Vrms
- Must release voltage: 1VDC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Operating Voltage (VDC)	Load Voltage	Price Each	
				1	10
558-D1D07	D1D07	0-100	7A		
558-D1D12	D1D12	0-100	12A		
558-D1D40	D1D40	0-100	40A		
558-D2D07	D2D07	0-200	7A		
558-D2D12	D2D12	0-200	12A		
558-D4D07	D4D07	0-400	7A		



CRYDOM DC60 SERIES (3-7 AMP, 60VDC OUTPUT)

Features/Specifications:

- Input - DC or AC control
- DC Control: Control voltage: 3.5VDC-32VDC
- AC Control: Control voltage: 90VAC-280VAC
- Isolation voltage: 4000Vrms
- Control current: 2.2mA @ 5VDC
- Control current: 2mA @ 120VAC
- Must release voltage: 1VDC
- Must release voltage: 10VDC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Operating Voltage (VDC)	Load Voltage	Price Each	
				1	10
DC Control					
558-DC60S3	DC60S3	3-60	3A		
558-DC60S5	DC60S5	3-60	5A		
558-DC60S7	DC60S7	3-60	7A		
AC Control					
558-DC60SA3	558-DC60SA3	3-60	3A		



CRYDOM SSC SERIES: SOLID STATE DC CONTACTOR (25 AMP, 0-1000VDC, DC OUTPUT)

Series SSC solid state DC contactors feature IGBT technology for high voltage DC switching applications. All models come in Crydom's standard panel-mount package.

Features/Specifications:

- Control voltage: 12VDC, 24VDC, 36VDC
- Switching voltage mode: DC
- Min. turn off voltage: 1VDC
- IGBT Output
- Min. load current: 2mA
- Load Current Max. (ADC): 25
- High voltage



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Operating Voltage (VDC)	Load Voltage	Price Each	
				1	10
558-SSC800-25-12	SSC800-25-12	0-800	8-16		
558-SSC800-25-24	SSC800-25-24	0-800	20-28		
558-SSC1000-25-24	SSC1000-25-24	0-1000	20-28		



CRYDOM D06D SERIES PANEL MOUNT SSR'S (0-60VDC DC OUTPUT)

DC output relays feature MOSFET technology for low on-state resistance, assuring easy paralleling and switching capabilities to 100 amps at 60VDC. Lower current models are also available to 500VDC. All models come in Crydom's standard panel mount package.

Features/Specifications:

- MOSFET Output
- Switching voltage mode: DC
- Min. turn off voltage: 1VDC
- Low on-state resistance
- Min. load current: 5mA
- Control voltage: 3.5VDC-32VDC
- High current ratings



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Operating Voltage (VDC)	Control Voltage Range (VDC)	Price Each	
				1	10
558-D06D60	D06D60	0-60	60		
558-D06D80	D06D80	0-60	80		
558-D06D100	D06D100	0-60	100		



CRYDOM PCV SERIES ANALOG INPUT POWER CONTROLLER (15-90 AMP, 120/240, 480VAC, AC OUTPUT)

The PCV Series proportional controllers are self contained power control modules integrating a complete phase fired logic control system and a solid state relay in the same standard package. Typical applications include heaters, vibratory feeders and tungsten lamps.

Features/Specifications:

- Internal snubber
- Operates at 60Hz and 50Hz
- Control current: 4mA @ 5VDC
- Industry standard package
- Isolation voltage: 2500Vrms
- Must release voltage: 1VDC
- Control circuit requires no adjustment or calibration
- Operating temperature: -30°C to 80°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage (VAC)	Control Voltage (VDC)	Price Each	
					1	10
558-10PCV2415	10PCV2415	.15-15VAC	100-240	2-10		
558-10PCV2425	10PCV2425	.15-25VAC	100-240	2-10		

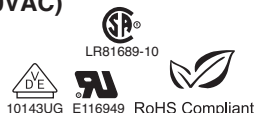


CRYDOM Panel Mount Solid State Relays *crydom*

CRYDOM CSW SERIES LOW LEAKAGE (10-90A, 120/240VAC)

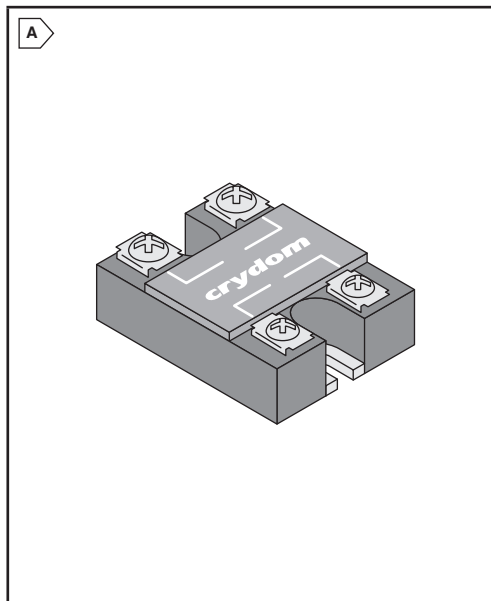
The series CSW has an SCR AC switch output featuring low off-state leakage (1mA, snubberless), zero-voltage switching and broadened operating range (24-280Vrms). This wide range permits optimum performance at both 120Vac and 240Vac line voltages.

- Low leakage
- SCR AC switch output
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Line voltage: 24-280Vrms
- Control voltage: 3-32VDC
- Control current: 13mA DC
- Must release voltage: 1.0



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (Amps ms)	Surge Current 1-Cycle (Apk)	Price Each		
					1	10	25
558-CSW2410	CSW2410	A	.15-10	120			
558-CSW2425	CSW2425	A	.15-25	250			
558-CSW2450	CSW2450	A	.15-50	625			
558-CSW2475	CSW2475	A	.25-75	1000			
558-CSW2490	CSW2490	A	.25-90	1200			



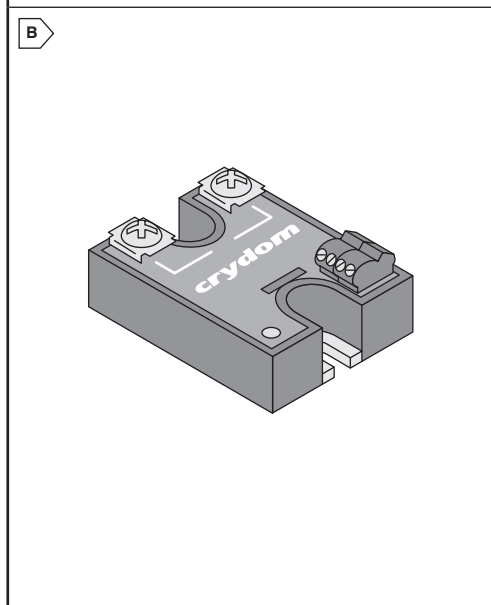
CRYDOM HD/HA SERIES (25-90A, 480VAC OUTPUT)

- Output - SCR AC Switch
- Zero voltage switching
- 1200 Volt blocking
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Line voltage: 48-530VAC
- Control current: DC - 2mA @ 5VDC; AC - 2mA @ 120VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Load Current (Amps)	Must Release Voltage	Price Each		
						1	10	25
DC Control								
558-HD48125	HD48125	A	3-32VDC	.04-125	1VDC			
558-HD4825	HD4825	A	3-32VDC	.04-25	1VDC			
558-HD4850	HD4850	A	3-32VDC	.04-50	1VDC			
558-HD6050	HD6050	A	3-32VDC	.04-50	1VDC			
558-HD6050-10	HD6050-10	A	3-32VDC	.04-50	1VDC			
558-HD4890-10	HD4890-10	A	3-32VDC	.04-90	1VDC			
558-HD4890	HD4890	A	3-32VDC	.04-90	1VDC			
AC Control								
558-HA4825	HA4825	A	90-280VAC	.04-25	10VAC			
558-HA4890	HA4890	A	90-280VAC	.04-90	10VAC			



CRYDOM SERIES DC60 PANEL MOUNT RELAYS

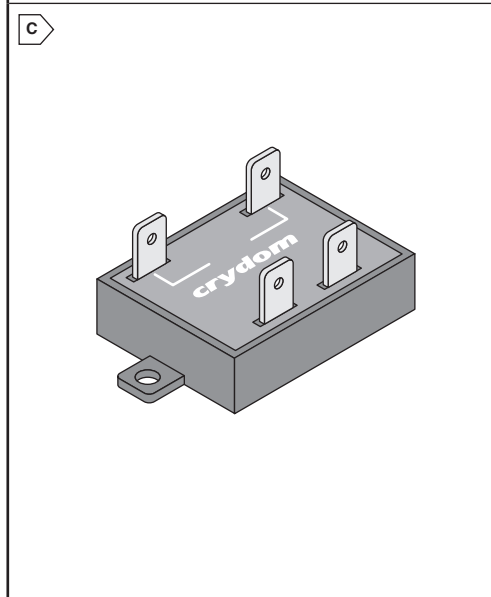
- Bi-polar transistor output
- Load current range: 3-7A
- Operating voltage range: 0-60VDC
- DC Switching - SPST-NC
- Isolation range: 4000V
- Panel Mount



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Input Voltage	Output Voltage	Price Each			
					1	10	25	50
558-DC60S3-B	DC60S3-B	A	3.5-32VDC	3-60VDC				
558-DC60S5-B	DC60S5-B	A	3.5-32VDC	3-60VDC				
558-DC60S7-B	DC60S7-B	A	3.5-32VDC	3-60VDC				
558-DC60SA3-B	DC60SA3-B	A	90-280VAC	3-60VDC				
558-DC60SA5-B	DC60SA5-B	A	90-280VAC	3-60VDC				
558-DC60SA7-B	DC60SA7-B	A	90-280VAC	3-60VDC				



CRYDOM PC SERIES: PHASE CONTROL PANEL MOUNT SSR, (25-90AMP, 120/480VAC - AC OUTPUT)

Proportional Controllers PC Series incorporate a complete phase-fired logic system and SSR to provide phase control function within industrial standard package.

- Output SCR AC switching
- Angle firing load control
- Loads up to 90Amps
- 0-100% Control range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage Range	Rated Current	Analog Input	Price Each	
						1	10
558-MCPC1250E	MCPC1250E	B	12: 48-140	50A	Potentiometer 0-10Vdc		
558-MCPC1250C	MCPC1250C	B	12: 48-140	50A	Potentiometer 0-10Vdc		
558-MCPC2425A	MCPC2425A	B	24: 180-280	25A	Potentiometer 0-10Vdc		
558-MCPC2425E	MCPC2425E	B	24: 180-280	25A	Potentiometer 0-10Vdc		
558-MCPC2425C	MCPC2425C	B	24: 180-280	25A	Potentiometer 0-10Vdc		
558-MCPC4825E	MCPC4825E	B	48: 330-530	25A	Potentiometer 0-10Vdc		
558-MCPC4825C	MCPC4825C	B	48: 330-530	25A	Potentiometer 0-10Vdc		

CRYDOM EZ SERIES PC MOUNT SSR'S (5-18 AMP, 120/240, 480VAC, AC OUTPUT)

- Low leakage
- SCR Output
- Quick connect terminals
- Isolation voltage: 4000Vrms
- Line voltage: 24-280Vrms
- Operating temperature: -30°C to 80°C
- Load current: .15-18ADC
- Must release voltage: 1VDC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Control Current @ 5VDC (mA DC)	Price Each		
					1	10	25
558-EZ240D12	EZ240D12	C	3-15	15			
558-EZ240D18	EZ240D18	C	3-15	15			
558-EZ240D18R	EZ240D18R	C	3-15	15			
558-EZ240A18S	EZ240A18S	C	90-140	10			

CRYDOM PROTECTIVE COVER



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Description	Price Each		
			1	10	25
558-KS-100	KS-100	1 Series Pkgs.			

CRYDOM Solid State I/O Modules



This product is RoHS compliant.

CRYDOM DRA SERIES (DIN RAIL MOUNTED AC AND DC OUTPUT SSR ASSEMBLIES)

Features/Benefits:

- 10mm Single Channel DIN Rail Mount SSR Assembly
- 54mm Four Channel DIN Rail Mount SSR Assembly
- 90-140VAC control
- AC Ratings up to 280VAC and 5 Amps
- 3-15 and 15-32VDC control
- Cage style screw terminals for easy connection
- Fits standard 35mm DIN rail
- Includes LED Status indicator



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Voltage	Price Each			
				1	10	25	50
1 Channel DC Output							
558-DRA1-CMX100D6	DRA1-CMX100D6	A	3-10VDC				
558-DRA1-CMX200D3	DRA1-CMX200D3	A	3-10VDC				
558-DRA1-CMX60D10	DRA1-CMX60D10	A	3-10VDC				
558-DRA1-CX240D5	DRA1-CX240D5	A	3-15VDC				
558-DRA1-CX240D5R	DRA1-CX240D5R	A	3-15VDC				
558-DRA1-CXE240D5	DRA1-CXE240D5	A	15-32VDC				
558-DRA1-CXE240D5R	DRA1-CXE240D5R	A	15-32VDC				
558-DRA1-CXE380D5	DRA1-CXE380D5	A	15-32VDC				
558-DRA1-MCX240D5	DRA1-MCX240D5	A	3-15VDC				
558-DRA1-MP240D4	DRA1-MP240D4	A	3-32VDC				
4 Channel AC Output							
558-DRA4-CX240D5	DRA4-CX240D5	B	3-15VDC				
558-DRA4-CXE240D5	DRA4-CXE240D5	B	15-32VDC				
558-DRA4-MCX240D5	DRA4-MCX240D5	B	3-15VDC				

CRYDOM DRA4 CX SERIES/DRA1 CX SERIES SOCKETS



RoHS Compliant

Din Rail Mountable Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Description	Price Each			
				1	10	25	50
558-DRS1	DRS1	C	Single Point				
558-DRS4	DRS4	C	Four Position				

DRA SERIES SOLID STATE CONTACTOR

Features:

- Fits standard 35mm DIN - RAIL
- LED inputs status indicator
- AC or DC control
- Horsepower Rated



RoHS Compliant

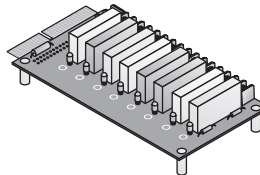
MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Operational Current	Price Each			
					1	10	50	100
DRA3P Series - 3 Phase AC Contactor								
558-DRA3P48B4	DRA3P48B4	D	90-140VAC	4.2A				
558-DRA3P48B4R	DRA3P48B4R	D	90-140VAC	4.2A				
558-DRA3P48D2	DRA3P48D2	D	4-6VDC	2.4A				
558-DRA3P48D4	DRA3P48D4	D	4-6VDC	4.2A				
558-DRA3P48E2R	DRA3P48E2R	D	18-28VDC	2.4A				
558-DRA3P48E4R	DRA3P48E4R	D	18-28VDC	4.2A				
DRA3R SERIES - 3 Phase Motor Reversing Contactor								
558-DRA3R48D2	DRA3R48D2	E	4-6VDC	2.4A				
558-DRA3R48E2	DRA3R48E2	E	18-28VDC	2.4A				
DRA4D SERIES - DC Motor Reversing Contactor								
558-DRA4D100D12	DRA4D100D12	F	5-15VDC	12A				
558-DRA4D250D6	DRA4D250D6	F	5-15VDC	6A				

CRYDOM SOLID STATE OPTO-ISOLATED BOARD MOUNT I/O MODULES

Solid State I/O switching modules deliver an electrically clean, photo-isolated noise-free 'output' interface from logic level control systems to external loads such as motors, valves, solenoids, etc. - or an 'input' interface from the load or sensors to microprocessor or computer-based logic level systems. Designed for long, reliable service in demanding industrial environments.

Features:

- Maximum turn-on/turn off time: 20/30 msec
- Zero-Cross switching on AC only output



LR81689 E116949

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Voltage Input Type	Color	Input Specifications		Output Load Current Overload Voltage	Price Each			
				Voltage (Vrms/VDC)	Typical Current Max. (mA)		1	10	25	50
Standard Pack										
558-IAC5	IAC5	AC or DC	Yellow	90-140	10	.1-50mA@ 4-30VDC				
558-IAC-5A	IAC5A	AC or DC	Yellow	180-280	8	.1-50mA@ 4-30VDC				
558-IAC-24	IAC24	AC or DC	Yellow	90-142	10	.1-50mA@ 4-30VDC				
558-IDC5	IDC5	DC only	White	10-36	16	.1-50mA@ 4-30VDC				
558-OAC5	OAC5	AC only	Black	3-8	27	.05-3A@ 12-140Vrms				
558-OAC5A	OAC5A	AC only	Black	3-8	27	.05-3A@ 24-280Vrms				
558-OAC15	OAC15	AC only	Black	8.5-18.5	20	.05-3A@ 12-140Vrms				
558-OAC24	OAC24	AC only	Black	16.5-29	13.5	.05-3A@ 12-140Vrms				
558-ODC5	ODC5	DC only	Red	2.5-7.5	27	.01-3A@ 3-60VDC				
558-ODC5A	ODC5A	DC only	Red	2.5-7.5	27	.01-3A@ 5-200VDC				
558-ODC24	ODC24	DC only	Red	16.5-30.5	15	.01-3A@ 3-60VDC				
558-ODC24A	ODC24A	DC only	Red	16.5-30.5	15	.01-3A@ 5-200VDC				
Mini-Pack										
558-MIDC5	MIDC5	DC only	White	10-36	16	.1-50mA@ 4-30VDC				
558-MOAC5A	MOAC5A	AC only	Black	3-8	27	.05-3A@ 24-280Vrms				
558-MODC5	MODC5	DC only	Red	2.5-7.5	27	.01-3A@ 3-60VDC				

CRYDOM MOUNTING BOARDS FOR I/O MODULES



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	No. of Module Pos. and I/O Channels	Connection Type	Price Each			
				1	10	25	50
558-PB-4	PB-4	4	Screw terminal				

OMRON G3PE SERIES: SINGLE-PHASE SOLID STATE RELAYS FOR HEATERS

Specifications:

- Isolation method: Phototriac coupler
- Operation indicator: Yellow
- Rated input voltage: 12-24VDC
- Rated input current: 7mA max.

Features:

- Slim profile industrial SSR with heatsink ideal for heater applications
- Snubber circuit for short-term surge absorption
- Zero cross function
- DIN track or panel mounting possible
- LED indicator standard on all models

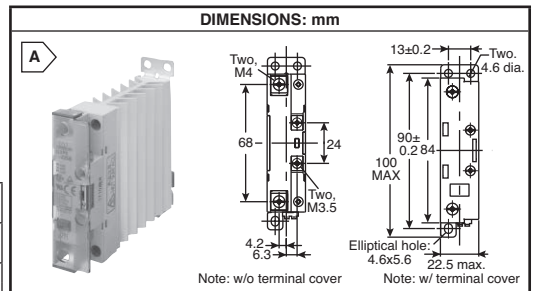


RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Inrush Current (60Hz, 1 cycle)	Resistive Load Output	Applicable Load Current	Price Each			
						1	5	10	25
653-G3PE-215BDC12-24	G3PE-215B DC12-24	A	150A	3kW@200VAC	15A@100-240VAC				
653-G3PE-225BDC12-24	G3PE-225B DC12-24	A	220A	5kW@200VAC	25A@100-240VAC				
653-G3PE-245BDC12-24	G3PE-245B DC12-24	B	440A	9kW@200VAC	45A@100-240VAC				
653-G3PE-525BDC1224	G3PE-525B DC12-24	A	220A	10kW@400VAC	25A@200-480VAC				



OMRON G3DZ SERIES: 0.6A MAXIMUM SWITCHING SOLID STATE RELAYS

Specifications:

- Applicable output load: 0.6A @ 5-240VAC, 0.6A @ 5-100VDC
- Output load current: 100µA-0.6A
- Output inrush current: 6A (ms)

Features:

- 2,500VAC dielectric strength ensured between input and output terminals
- Switching full- and half- wave rectified alternating currents
- Maximum AC/DC switching current of 0.6A
- 10µA current leakage max. between open output terminals



RoHS Compliant

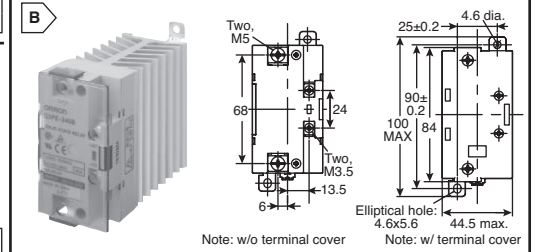


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Input Voltage (VDC)	Operating Input Voltage (VDC)	Input Impedance (±20%)	Price Each			
						1	25	50	100
653-G3DZ-2R6PLDC5	G3DZ-2R6PL DC5	C	5	4.0-6.0	830Ω				
653-G3DZ-2R6PLDC24	G3DZ-2R6PL DC24	C	24	19.2-28.8	4kΩ				

Socket

653-P6D-04P	P6D-04P	-	Description						
						Connecting socket			



OMRON G3M SERIES: SIP SOLID STATE RELAYS

Specifications:

- Isolation method: Phototriac
- Output load current: 0.1-3A 203P, 0.1-5A 205P
- Output inrush current: 45A (60Hz, 1 cycle)

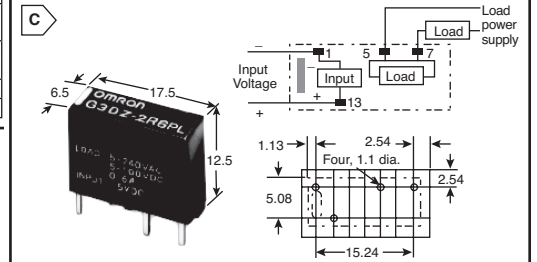
Features:

- Single in-line package SSR
- Thin design for high-density PCB applications
- DC input/AC output for up to a 5A load
- Two footprints offer greater flexibility



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Input Voltage (VDC)	Applicable Output Load	Zero Cross Function	Price Each			
						1	25	50	100
7.62mm Input Terminal Pitch									
653-G3M203PDC5	G3M-203P-DC5	D	5	3A @ 100-240VAC	Yes				
653-G3M203PDC12	G3M-203P-DC12	D	12	3A @ 100-240VAC	Yes				
653-G3M203PDC24	G3M-203P-DC24	D	24	3A @ 100-240VAC	Yes				
653-G3M203PLDC24	G3M-203PL-DC24	D	24	3A @ 100-240VAC	No				
653-G3M205PLDC5	G3M-205PL-DC5	E	5	5A @ 100-240VAC	No				
653-G3M205PLDC12	G3M-205PL-DC12	E	12	5A @ 100-240VAC	No				
653-G3M205PLDC24	G3M-205PL-DC24	E	24	5A @ 100-240VAC	No				
5.08mm Input Terminal Pitch									
653-G3M-203P-4DC5	G3M-203P-4 DC5	D	5	3A @ 100-240VAC	Yes				
653-G3M-205PL-4DC5	G3M-205PL-4 DC5	E	5	5A @ 100-240VAC	No				
653-G3M-205PL-4DC24	G3M-205PL-4 DC24	E	24	5A @ 100-240VAC	No				



OMRON G3MC SERIES: SIP COMPACT SOLID STATE RELAYS

Specifications:

- Isolation method: Phototriac
- Insulation resistance: 1000MΩ min. (@ 500VDC)
- Dielectric strength: 2500VAC, 50/60Hz for 1 min. 3000VAC, 50/60Hz for 1 min. for G3MC-VD
- Built-in snubber circuit
- Rated at ambient temperature: 25°C

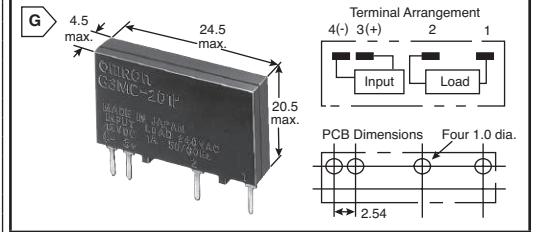
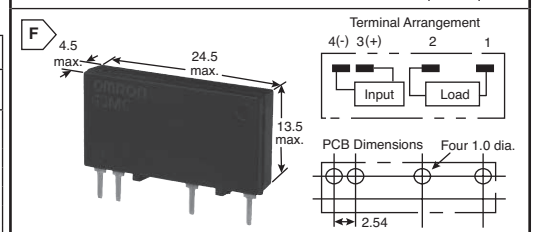
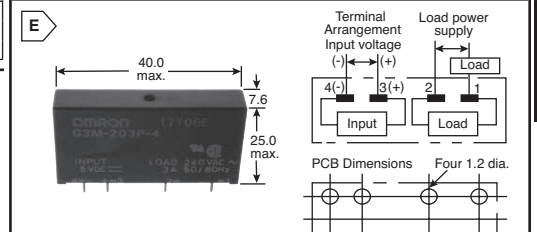
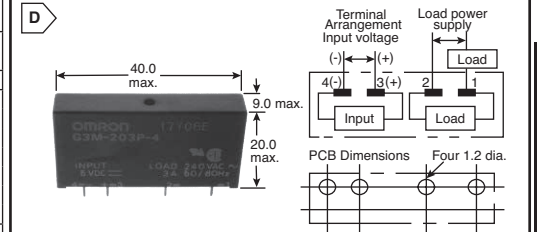
Features:

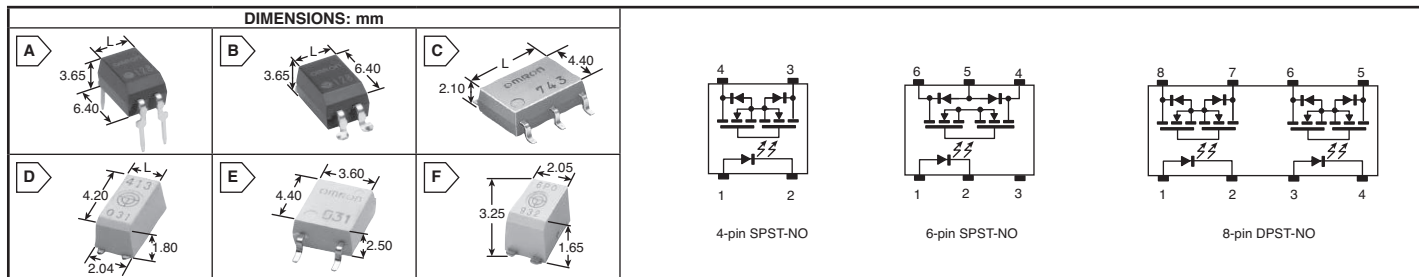
- Compact, thin-profile, low-cost SSR with reinforced insulation
- Small bottom surface area for close PCB mounting
- Monoblock construction with an all-in-one frame incorporates a PCB, terminals, and a heatsink.
- DC and AC output for an applicable load of 1A at 40°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Input Voltage (VDC)	Applicable Output Load	Zero Cross Function	Price Each			
						1	25	50	100
653-G3MC-101P-DC5	G3MC-101P-DC5	F	5	1A @ 100-120VAC	Yes				
653-G3MC-101P-DC12	G3MC-101P-DC12	F	12	1A @ 100-120VAC	Yes				
653-G3MC-101P-DC24	G3MC-101P-DC24	F	24	1A @ 100-120VAC	Yes				
653-G3MC-101PL-DC5	G3MC-101PL-DC5	F	5	1A @ 100-120VAC	No				
653-G3MC101PL-DC12	G3MC-101PL-DC12	F	12	1A @ 100-120VAC	No				
653-G3MC101PL-DC24	G3MC-101PL-DC24	F	24	1A @ 100-240VAC	No				
653-G3MC-201P-DC5	G3MC-201P-DC5	F	5	1A @ 100-240VAC	Yes				
653-G3MC-201P-DC12	G3MC-201P-DC12	F	12	1A @ 100-240VAC	Yes				
653-G3MC-201PL-DC5	G3MC-201PL-DC5	F	5	1A @ 100-240VAC	No				
653-G3MC201PL-DC12	G3MC-201PL-DC12	F	12	1A @ 100-240VAC	No				
653-G3MC201PL-DC24	G3MC-201PL-DC24	F	24	1A @ 100-240VAC	No				
653-G3MC-202P-DC5	G3MC-202P-DC5	G	5	2A @ 100-240VAC	Yes				
* 653-G3MC-202P-VDDC5	G3MC-202P-VD DC5	G	5	2A @ 100-240VAC	Yes				
653-G3MC-202P-DC12	G3MC-202P-DC12	G	12	2A @ 100-240VAC	Yes				
* 653-G3MC202P-VDDC12	G3MC-202P-VD DC12	G	12	2A @ 100-240VAC	Yes				
653-G3MC-202PL-DC24	G3MC-202PL-DC24	G	24	2A @ 100-240VAC	Yes				
653-G3MC-202PL-DC5	G3MC-202PL-DC5	G	5	2A @ 100-240VAC	No				
653-G3MC202PL-DC12	G3MC-202PL-DC12	G	12	2A @ 100-240VAC	No				
653-G3MC202PL-DC24	G3MC-202PL-DC24	G	24	2A @ 100-240VAC	No				





OMRON G3VM SERIES: MOSFET RELAYS WITH LOAD VOLTAGE 20-80V

Perfectly suited for Automated Test Equipment, Medical Equipment, Instrumentation, Security Equipment, Automated Meter Reading, Automotive Diagnostic Equipment, and Communications. Available in 1 and 2-Pole configurations in PCB, SMT, DIP, SOP, and SSOP packaging. Other options include current limiting, high dielectric voltage withstand, normally open and normally closed contact forms, high voltage and current load handling, and high-speed switching.

Features:

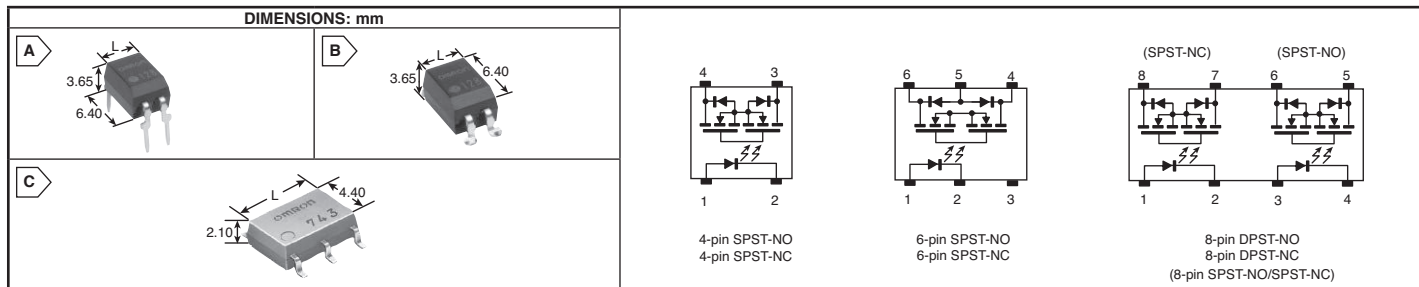
- Solid State performance and accuracy
- Smallest SSOP footprint in the industry (SSOP models)
- Low ON resistance (as low as 20mOhms)
- Low OFF state capacitance (as low as .45 pF)
- Low LED trigger current models (1mA)
- High speed switching
- 100,000 hours of continuous operation

*Fast On/Off .1ms/.15ms (typical) ** Full reel is 500 † Low LED trigger 1mA (maximum)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimension L (mm)	Package/ Pin Count	Terminals	Load Current	Voltage Withstand 1 Minute (VAC)	ON Resistance (typical)	Output OFF State Capacitance (typical)	Leakage Current (typical)	Price Each			
											1	25	50	100
20V Load Voltage, SPST-NO Contact Form														
653-G3VM-21AR	G3VM-21AR	A	4.58	DIP4	PCB	3000mA	2500	40 mΩ	300 pF	1 μA (max.)				
653-G3VM-21DR	G3VM-21DR	B	4.58	DIP4	SMT	3000mA	2500	40 mΩ	300 pF	1 μA (max.)				
653-G3VM-21BR	G3VM-21BR	A	7.12	DIP6	PCB	4000mA	2500	20 mΩ	1000 pF	1 μA (max.)				
653-G3VM-21ER	G3VM-21ER	B	7.12	DIP6	SMT	4000mA	2500	20 mΩ	1000 pF	1 μA (max.)				
653-G3VM-21GR	G3VM-21GR	C	3.90	SOP4	SMT	160mA	1500	5 Ω	1 pF	0.2 nA				
653-G3VM-21GR1	G3VM-21GR1	C	3.90	SOP4	SMT	300mA	1500	1 Ω	5 pF	0.2 nA				
653-G3VM-21HR	G3VM-21HR	C	6.30	SOP6	SMT	2500mA	1500	0.02 Ω	1000 pF	2 nA				
* 653-G3VM-21LR10	G3VM-21LR10	D	1.90	SSOP4	SMT	200mA	1500	3 Ω	0.8 pF	0.01 nA				
653-G3VM-21LR1	G3VM-21LR1	D	1.70	SSOP4	SMT	450mA	1500	0.8 Ω	5 pF	0.2 nA				
** 653-G3VM-21LR1TR05	G3VM-21LR1(TR05)	D	1.70	SSOP4	SMT	450mA	1500	0.8 Ω	5 pF	0.2 nA				
653-G3VM-21LR11	G3VM-21LR11	D	1.90	SSOP4	SMT	900mA	1500	0.18 Ω	40 pF	0.2 nA				
40V Load Voltage, SPST-NO Contact Form														
653-G3VM-41AR	G3VM-41AR	A	4.58	DIP4	PCB	2500mA	2500	50 mΩ	300 pF	1 μA (max.)				
653-G3VM-41DR	G3VM-41DR	B	4.58	DIP4	SMT	2500mA	2500	50 mΩ	300 pF	1 μA (max.)				
653-G3VM-41BR	G3VM-41BR	A	7.12	DIP6	PCB	3500mA	2500	30 mΩ	1000 pF	1 μA (max.)				
653-G3VM-41ER	G3VM-41ER	B	7.12	DIP6	SMT	3500mA	2500	30 mΩ	1000 pF	1 μA (max.)				
653-G3VM-41GR6	G3VM-41GR6	C	3.90	SOP4	SMT	120mA	1500	10 Ω	1 pF	0.2 nA				
653-G3VM-41GR5	G3VM-41GR5	C	3.90	SOP4	SMT	300mA	1500	1 Ω	10 pF	0.2 nA				
653-G3VM-41GR8	G3VM-41GR8	C	3.90	SOP4	SMT	1000mA	1500	0.1 Ω	300 pF	0.2 nA				
653-G3VM-41HR	G3VM-41HR	C	6.30	SOP6	SMT	2500mA	1500	0.03 Ω	70 pF	10 nA (max.)				
* 653-G3VM-41LR10	G3VM-41LR10	D	1.90	SSOP4	SMT	120mA	1500	12 Ω	0.45 pF	0.01 nA				
** 653-G3VM-41LR5-TR05	G3VM-41LR5(TR05)	D	1.70	SSOP4	SMT	300mA	1500	1 Ω	10 pF	0.2 nA				
60V Load Voltage, SPST-NO Contact Form														
653-G3VM-61A1	G3VM-61A1	A	4.58	DIP4	PCB	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-61AY	G3VM-61AY	A	4.58	DIP4	PCB	500mA	5000	0.6 Ω	130 pF	1 μA (max.)				
653-G3VM-61AR	G3VM-61AR	A	4.58	DIP4	PCB	2000mA	2500	80 mΩ	250 pF	1 μA (max.)				
653-G3VM-61DR	G3VM-61DR	B	4.58	DIP4	SMT	2000mA	2500	80 mΩ	250 pF	1 μA (max.)				
653-G3VM-61B1	G3VM-61B1	A	7.12	DIP6	PCB	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-61BR1	G3VM-61BR1	A	7.12	DIP6	PCB	3000mA	2500	40 mΩ	1000 pF	1 μA (max.)				
653-G3VM-61ER1	G3VM-61ER1	B	7.12	DIP6	SMT	3000mA	2500	40 mΩ	1000 pF	1 μA (max.)				
653-G3VM-61D1	G3VM-61D1	B	4.58	SMD4	SMT	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-61DY	G3VM-61DY	B	4.58	SMD4	SMT	500mA	5000	0.6 Ω	130 pF	1 μA (max.)				
653-G3VM-61E1	G3VM-61E1	B	7.12	SMD6	SMT	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-61ER	G3VM-61ER	B	7.12	SMD6	SMT	2500mA	2500	0.065 Ω	400 pF	1 nA				
653-G3VM-61VY	G3VM-61VY	E	-	SOP4	SMT	70mA	3750	25 Ω	30 pF	1 nA				
653-G3VM-61G1	G3VM-61G1	C	3.90	SOP4	SMT	400mA	1500	1 Ω	130 pF	1 nA				
† 653-G3VM-61G2	G3VM-61G2	C	3.90	SOP4	SMT	400mA	1500	1 Ω	130 pF	1 nA				
653-G3VM61GR1	G3VM-61GR1	C	3.90	SOP4	SMT	1000mA	1500	0.25 Ω	90 pF	0.2 nA				
653-G3VM-61H1	G3VM-61H1	C	6.30	SOP6	SMT	400mA	1500	1 Ω	130 pF	1 nA				
653-G3VM-61HR	G3VM-61HR	C	6.30	SOP6	SMT	2300mA	1500	0.04 Ω	70 pF	10 nA (max.)				
653-G3VM-61LR	G3VM-61LR	D	1.90	SSOP4	SMT	400mA	1500	1 Ω	20 pF	0.04 nA				
653-G3VM-61PR	G3VM-61PR	F	-	USOP4	SMT	400mA	500	1 Ω	20 pF	1 nA (max.)				
60V Load Voltage, DPST-NO Contact Form														
653-G3VM-62C1	G3VM-62C1	A	9.66	DIP8	PCB	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-62F1	G3VM-62F1	B	9.66	SMD8	SMT	500mA	2500	1 Ω	130 pF	1 nA				
653-G3VM-62J1	G3VM-62J1	C	9.40	SOP8	SMT	400mA	1500	1 Ω	130 pF	1 nA				
80V Load Voltage, SPST-NO Contact Form														
653-G3VM-81GR	G3VM-81GR	C	3.90	SOP4	SMT	40mA	1500	16 Ω	2.5 pF	0.5 nA				
653-G3VM-81GR1	G3VM-81GR1	C	3.90	SOP4	SMT	200mA	1500	5 Ω	6.5 pF	0.5 nA				
653-G3VM-81G1	G3VM-81G1	C	3.90	SOP4	SMT	350mA	1500	1 Ω	30 pF	0.2 nA				
653-G3VM-81HR	G3VM-81HR	C	6.30	SOP6	SMT	1250mA	1500	0.11 Ω	460 pF	1.2 nA				
* 653-G3VM-81LR	G3VM-81LR	D	1.90	SSOP4	SMT	120mA	1500	7.5 Ω	5 pF	0.1 nA				



OMRON G3VM SERIES: MOSFET RELAYS WITH LOAD VOLTAGE 100-600V

Perfectly suited for Automated Test Equipment, Medical Equipment, Instrumentation, Security Equipment, Automated Meter Reading, Automotive Diagnostic Equipment, and Communications. Available in 1 and 2-Pole configurations in PCB, SMT, DIP, SOP, and SSOP packaging. Other options include current limiting, high dielectric voltage withstand, normally open and normally closed contact forms, high voltage and current load handling, and high-speed switching.



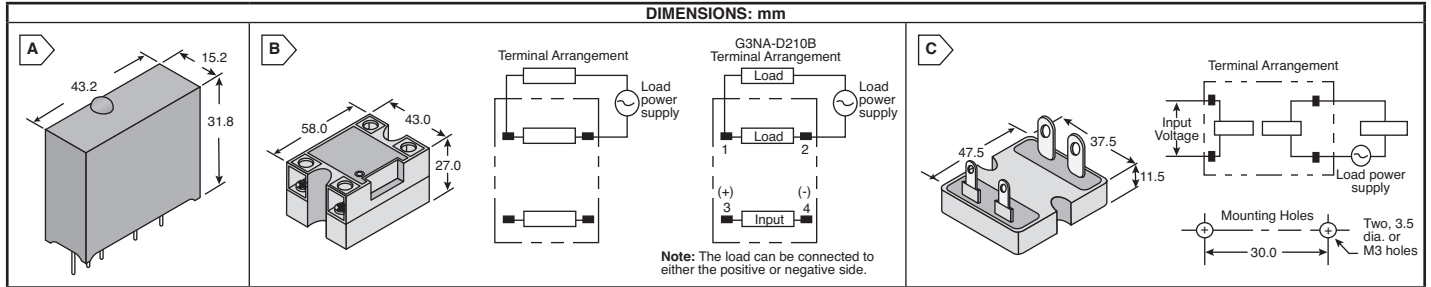
Features:

- Solid State performance and accuracy
- Smallest SSOP footprint in the industry (SSOP models)
- Low ON resistance (as low as 100mOhms)
- Low LED trigger current models (1mA)
- High speed switching
- 100,000 hours of continuous operation

* Low LED trigger 1mA (maximum) ** Current limiting (range 150-300mA)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimension L (mm)	Package/ Pin Count	Terminals	Load Current	Voltage Withstand 1 Minute (VAC)	ON Resistance (typical)	Output OFF State Capacitance (typical)	Leakage Current (typical)	Price Each					
											1	25	50	100		
100V Load Voltage, SPST-NO Contact Form																
653-G3VM-101AR	G3VM-101AR	A	4.58	DIP4	PCB	1000mA	2500	250 mΩ	200 pF	1 μA (max.)						
653-G3VM-101DR	G3VM-101DR	B	4.58	DIP4	SMT	1000mA	2500	250 mΩ	200 pF	1 μA (max.)						
653-G3VM-101BR	G3VM-101BR	A	7.12	DIP6	PCB	2000mA	2500	100 mΩ	1000 pF	1 μA (max.)						
653-G3VM-101ER	G3VM-101ER	B	7.12	DIP6	SMT	2000mA	2500	100 mΩ	1000 pF	1 μA (max.)						
653-G3VM-101HR	G3VM-101HR	C	6.30	SOP6	SMT	1400mA	1500	0.1 Ω	70 pF	10 nA (max.)						
200V Load Voltage, SPST-NO Contact Form																
653-G3VM-201AY	G3VM-201AY	A	4.58	DIP4	PCB	250mA	5000	5 Ω	90 pF	1 μA (max.)						
653-G3VM-201DY	G3VM-201DY	B	4.58	SMD4	SMT	250mA	5000	5 Ω	90 pF	1 μA (max.)						
653-G3VM-201G	G3VM-201G	C	3.90	SOP4	SMT	50mA	1500	40 Ω	15 pF	0.07 nA						
653-G3VM-S5	G3VM-S5	C	3.90	SOP4	SMT	150mA	1500	5 Ω	100 pF	0.45 nA						
* 653-G3VM-201G1	G3VM-201G1	C	3.90	SOP4	SMT	200mA	1500	5 Ω	90 pF	1 nA						
200V Load Voltage, DPST-NO Contact Form																
653-G3VM-202J1	G3VM-202J1	C	9.40	SOP8	SMT	200mA	1500	5 Ω	100 pF	3.1 nA						
350V Load Voltage, SPST-NO Contact Form																
** 653-G3VM-351AY	G3VM-351AY	A	4.58	DIP4	PCB	100mA	5000	25 Ω	30 pF	1 μA (max.)						
** 653-G3VM-2L	G3VM-2L	A	4.58	DIP4	PCB	120mA	2500	22 Ω	40 pF	0.5 nA						
653-G3VM-351A	G3VM-351A	A	4.58	DIP4	PCB	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-351B	G3VM-351B	A	7.12	DIP6	PCB	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-351DY	G3VM-351DY	B	4.58	SMD4	SMT	100mA	5000	25 Ω	30 pF	1 μA (max.)						
** 653-G3VM-2FL	G3VM-2FL	B	4.58	SMD4	SMT	120mA	2500	22 Ω	40 pF	0.5 nA						
653-G3VM-351D	G3VM-351D	B	4.58	SMD4	SMT	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-351E	G3VM-351E	B	7.12	SMD6	SMT	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-351G	G3VM-351G	C	3.90	SOP4	SMT	110mA	1500	35 Ω	30 pF	1.5 nA						
350V Load Voltage, DPST-NO Contact Form																
653-G3VM-352C	G3VM-352C	A	9.66	DIP8	PCB	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-352F	G3VM-352F	B	9.66	SMD8	SMT	120mA	2500	35 Ω	30 pF	1.5 nA						
653-G3VM-352J	G3VM-352J	C	9.40	SOP8	SMT	110mA	1500	35 Ω	30 pF	1.5 nA						
350V Load Voltage, SPST-NC Contact Form																
653-G3VM-353A	G3VM-353A	A	4.58	DIP4	PCB	150mA	2500	15 Ω	85 pF	10.5 nA						
653-G3VM-353D	G3VM-353D	A	4.58	SMD4	SMT	150mA	2500	15 Ω	85 pF	10.5 nA						
653-G3VM-353G	G3VM-353G	C	3.90	SOP4	SMT	120mA	1500	15 Ω	65 pF	10.5 nA						
653-G3VM-353H	G3VM-353H	C	6.30	SOP6	SMT	120mA	1500	15 Ω	65 pF	10.5 nA						
350V Load Voltage, DPST-NC Contact Form																
653-G3VM-354F	G3VM-354F	B	9.66	SMD8	SMT	150mA	2500	15 Ω	85 pF	10.5 nA						
653-G3VM-354J	G3VM-354J	C	9.40	SOP8	SMT	120mA	1500	15 Ω	65 pF	10.5 nA						
350V Load Voltage, SPST-NO/SPST-NC Contact Form																
653-G3VM-355CR	G3VM-355CR	A	9.66	DIP8	PCB	120mA	2500	15 Ω	65 pF	1.5NO, 10.5NC nA						
653-G3VM-355FR	G3VM-355FR	B	9.66	SMD8	SMT	120mA	2500	15 Ω	65 pF	1.5NO, 10.5NC nA						
400V Load Voltage, SPST-NO Contact Form																
653-G3VM-401AY	G3VM-401AY	A	4.58	DIP4	PCB	120mA	5000	17 Ω	80 pF	1 μA (max.)						
653-G3VM-401B	G3VM-401B	A	7.12	DIP6	PCB	120mA	5000	17 Ω	40 pF	0.8 nA						
653-G3VM-401BY	G3VM-401BY	A	7.12	DIP6	PCB	120mA	5000	17 Ω	40 pF	0.4 nA						
653-G3VM-401D	G3VM-401D	B	4.58	SMD4	SMT	120mA	2500	18 Ω	40 pF	0.8 nA						
653-G3VM-401DY	G3VM-401DY	B	4.58	SMD4	SMT	120mA	5000	17 Ω	80 pF	1 μA (max.)						
653-G3VM-401G	G3VM-401G	C	3.90	SOP4	SMT	120mA	1500	17 Ω	70 pF	3 nA						
400V Load Voltage, DPST-NO Contact Form																
653-G3VM-402F	G3VM-402F	B	9.66	SMD8	SMT	120mA	2500	18 Ω	40 pF	0.8 nA						
653-G3VM-402J	G3VM-402J	C	9.40	SOP8	SMT	120mA	1500	17 Ω	70 pF	3 nA						
600V Load Voltage, SPST-NO Contact Form																
653-G3VM-601AY	G3VM-601AY	A	4.58	DIP4	PCB	90mA	5000	30 Ω	75 pF	1 μA (max.)						
653-G3VM-601BY	G3VM-601BY	A	7.12	DIP6	PCB	100mA	5000	30 Ω	120 pF	0.5 nA						
653-G3VM-601DY	G3VM-601DY	B	4.58	SMD4	SMT	90mA	5000	30 Ω	75 pF	1 μA (max.)						
653-G3VM-601EY	G3VM-601EY	B	7.12	SMD6	SMT	100mA	5000	30 Ω	120 pF	0.5 nA						



OMRON G3TC SERIES: SOLID STATE RELAY FOR I/O MODULE MOUNTING BOARDS

Specifications:

- Insulation resistance: 100MΩ min. (@ 500VDC)
- Dielectric strength: 4000VAC

Features:

- Incorporates a rectifier to accept both AC or DC inputs
- Use I/O SSRs as interface between logic circuitry and load



Input Modules

MOUSER STOCK NO.	Omron Part No.	Fig.	Function	Color	Isolation	Input Operating Voltage Range	Logic Level Output Supply (VDC)	Price Each			
								1	25	50	100
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	DC input	White	Photo-coupler	10-32VDC/AC	5				

For quantities greater than listed, call for quote.

Output Modules

MOUSER STOCK NO.	Omron Part No.	Fig.	Function	Color	Isolation	Rated Input Voltage (VDC)	Rated Output Voltage	Price Each			
								1	25	50	100
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	AC output	Black	Photo-triac	5	3A @ 120VAC				
653-G3TC-OAC24A-DC24	G3TC-OAC24A-DC24	A	AC output	Black	Photo-triac	24	3A @ 240VAC				
653-G3TC-ODC5-DC5	G3TC-ODC5-DC5	A	DC output	Red	Photo-coupler	5	3A @ 60VDC				

For quantities greater than listed, call for quote.

OMRON G3NA SERIES: SOLID STATE RELAYS

Specifications:

- Insulation resistance: 100MΩ min. (@ 500VDC)
- Screws: 4 - M4x8 (-205B, -210B, -220B, -D210B)
2 - M5x12 / 2 - M4x8 (-240B, -440B)

Features:

- Built-in MOV to absorb external surges
- Operation indicator (amber LED) for monitoring
- Protective cover for greater safety



* TÜV approved model ** Loss time increases under 75VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Zero Cross Function	**Rated Output Load	Rated Input Voltage	Price Each				
						1	25	50	100	
Photo-Triac										
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	Yes	5A @ 24-240VAC	100-120VAC					
653-G3A-D210B-DC5	G3NA-D210B-DC5-24	B	No	10A @ 5-200VDC	5-24VDC					
* 653-G3NA210BUTUDC524	G3NA-210B-UTU DC5-24	B	Yes	10A @ 24-240VAC	5-24VDC					
653-G3NA220BAC100120	G3NA-220B-AC100-120	B	Yes	20A @ 24-240VAC	100-120VAC					
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	Yes	25A @ 24-240VAC	5-24VDC					
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	Yes	40A @ 24-240VAC	100-200VAC					
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	Yes	40A @ 24-240VAC	200-240VAC					
Photo-Coupler										
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	Yes	5A @ 24-240VAC	5-24VDC					
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	Yes	10A @ 24-240VAC	5-24VDC					
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	Yes	10A @ 24-240VAC	100-200VAC					
653-G3A-210B-AC2	G3NA-210B-AC200-240	B	Yes	10A @ 24-240VAC	200-240VAC					
653-G3NA-220B-DC524	G3NA-220B-DC5-24	B	Yes	20A @ 24-240VAC	5-24VDC					
653-G3NA-425BDC5-24	G3NA-425B DC5-24	B	Yes	25A @ 200-480VAC	5-24VDC					
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	Yes	40A @ 24-240VAC	5-24VDC					
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	Yes	25A @ 24-240VAC	100-200VAC					
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	Yes	25A @ 24-240VAC	200-240VAC					
Heat Sinks										
653-Y92B-A100	Y92B-A100		Standard mount for G3NA-205B, G3NA-210B, G3NA-D210B, G3NA-220B							
653-Y92B-A150N	Y92B-A150N		Standard mount for G3NA-225B, G3NA-240B, G3NA-425B, G3NA-440B							
653-Y92B-N50	Y92B-N50		Track mount for G3NA-205B, G3NA-210B, G3NA-D210B							
Mounting Track and Accessories										
653-PFP-50N	PFP-50N		DIN rail track, 50cm (1.64ft.)							
653-PFP-100N	PFP-100N		DIN rail track, 1m (3.28ft.)							
653-PFP-S	PFP-S		Spacer							
653-PFP-M	PFP-M		End cap							
653-R9912FORG3NA	R99-12 FOR G3NA		One-touch mounting plates							

OMRON G3NE SERIES: COMPACT SOLID STATE RELAYS

Specifications:

- Isolation method: Photo-triac
- Terminals: QC #110 and QC #250 output connections
- Insulation resistance: 100MΩ min. (@ 500VDC)
- * Heat sinks are thin and can be DIN track mounted.

Features:

- Built-in varistor to absorb external surges
- Dedicated, compact aluminum PCB and power elements used
- Wide load voltage range: 75-264VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Zero Cross Function	Rated Output Load (100-240VAC)	Rated Input Voltage (VDC)	Price Each			
						1	25	50	100
653-G3NE-205T-US-DC5	G3NE-205T-US-DC5	C	Yes	5A	5				
653-G3NE-205T-USDC12	G3NE-205T-US DC12	C	Yes	5A	12				
653-G3E-210T-US5	G3NE-210T-US-DC5	C	Yes	10A	5				
653-G3E-210T-US12	G3NE-210T-US-DC12	C	Yes	10A	12				
653-G3E-210T-US24	G3NE-210T-US-DC24	C	Yes	10A	24				
653-G3E-220T-US5	G3NE-220T-US-DC5	C	Yes	20A	5				
653-G3E-220T-US12	G3NE-220T-US-DC12	C	Yes	20A	12				
653-G3E-220T-US24	G3NE-220T-US-DC24	C	Yes	20A	24				
653-G3NE-220TL-USDC5	G3NE-220TL-US DC5	C	No	20A	5				
653-G3NE-220TLUSDC24	G3NE-220TL-US-DC24	C	No	20A	24				

Heat Sinks:

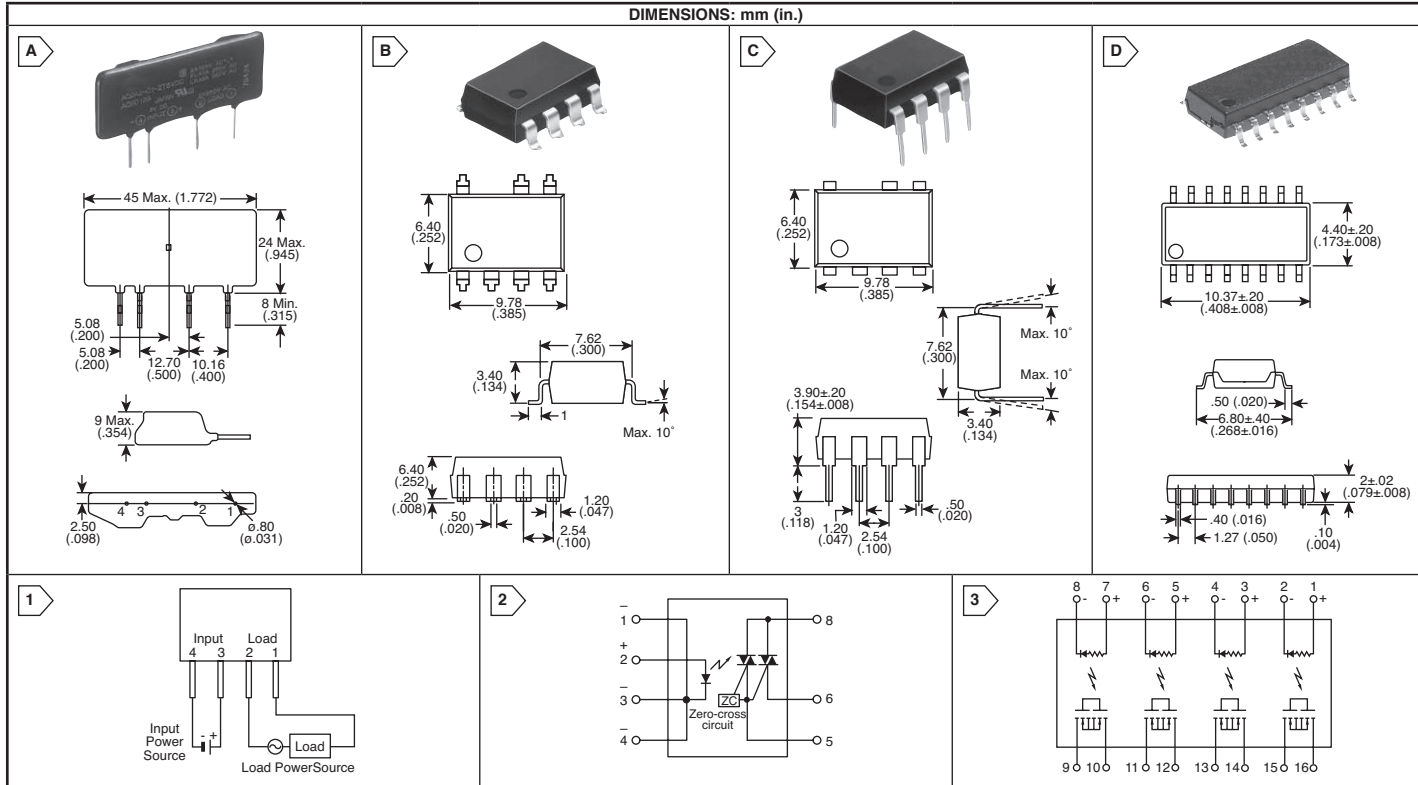
- 653-Y92B-N50 Y92B-N50 For 5A and 10A relays
- 653-Y92B-N100 Y92B-N100 For 20A relays

PANASONIC Solid State Relays

Panasonic

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm (in.)



Panasonic Solid State Relays can handle load currents from 0.5A up to 40A, and were developed specifically for industrial equipment control. Compact Phototriac Coupler and Triac Output with high on-state RMS current up to 1.2A. Versatile PC board mount AQ1 with AC and DC outputs and optional heat sink Economical AQN handles up to 40A load current

AQ2 SERIES - SOLID STATE RELAYS

Features:

- 10A high-capacity realized for PC board terminal (with heat sink): SSR for compact PC boards with 10A capacity that is two times greater than our previous model. It is suitable for longlife, highly frequent control
- VDE (EN60950-1) reinforced insulation compliant: Fully satisfies demand for safety by guaranteeing compliance with EN60950-1 safety standard and featuring 3000V reinforced insulation (AQ2A2-ZT4/32VDC, AQ2A2-J-ZT4/32VDC and AQ10A2-ZT4/32VDC)
- Superior anti-vibration and antishock characteristics: The body is molded as a single unit with flame resistant resin which makes it highly resistant against vibration and shock, and gives it superior protection from environment. The body can also be washed
- Reduced noise generation: The load will operate at close to zero voltage even when the input signal is applied during a cycle
- Also, even if an input signal is cancelled during a cycle, the load is cut off at close to zero current. For this reason, hardly any noise is produced and radio frequency interference (RFI) and electromagnetic interference (EMI) are kept to a minimum
- Built-in Snubber circuit prevents malfunction

Typical Application:

- Printing machines
- Packing machines
- Traffic signal control
- Automatic ticket punchers
- Terminal equipment of data processing
- Computer peripherals
- NC machines



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Max. Load Current (A)	Voltage (VDC)	Load Voltage (VAC)	Price Each			
						1	25	50	100
769-AQ2A2-C1-T24VDC	AQ2A2-C1-T24VDC	A1	2	24	75 -250				
769-AQ2A2-C1-T5VDC	AQ2A2-C1-T5VDC	A1	2	5	75 -250				
769-AQ2A2-C1-T12VDC	AQ2A2-C1-T12VDC	A1	2	12	750-250				
769-AQ2A2-C1-ZT24VDC	AQ2A2-C1-ZT24VDC	A1	2	24	750-250				
769-AQ2A2-C1-ZT5VDC	AQ2A2-C1-ZT5VDC	A1	2	5	750-250				

AQH SERIES - SOLID STATE RELAYS

Features:

- Compact DIP type SSR that's ideal for AC load control for AC load control
- Handles both 100 and 200VAC loads
- High dielectric strength: 5,000VAC (between input and output)
- Supports 0.3A, 0.6A, 0.9A and 1.2A ON-state RMS currents
- The 1.2 A type saves space with a DIP 8-pin package

Typical Application:

- Home appliances
- Industrial equipment market



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Peak Voltage (VAC)	RMS Current (A)	Terminal Type	Price Each			
						1	25	50	100
769-AQH1213	AQH1213	B2	600	0.6	Thru-Hole				
769-AQH2213	AQH2213	B2	600	0.9	Thru-Hole				
769-AQH2223	AQH2223	B2	600	0.9	Thru-Hole				
769-AQH1223	AQH1223	B2	600	0.6	Thru-Hole				
769-AQH2213A	AQH2213A	C2	600	0.9	SMD				
769-AQH1213A	AQH1213A	C2	600	0.6	SMD				
769-AQH1223A	AQH1223A	C2	600	0.6	SMD				
769-AQH2223A	AQH2223A	C2	600	0.6	SMD				

AQS SERIES

Features:

- Built-in input resistor means less man-hours mounting
- Saves space on Board
- Wide variety small package



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Load Voltage	Load Current (A)	Terminal Type	Price Each			
						1	25	50	100
769-AQS221FR2S	AQS221FR2S	D3	400	.16	SMD				
769-AQS221FN2S	AQS221FN2S	D3	400	.06	SMD				
769-AQS225R2S	AQS225R2S	D3	400	.20	SMD				

PANASONIC PhotoMos Relays



This product is RoHS compliant.

Panasonic

Panasonic PhotoMOS™ relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.

AQV22 SERIES

- High frequency characteristics with low capacitance between output terminals
- High sensitivity, high speed response
- Low-level off state leakage current
- Controls low-level analog signals
- Low-level thermal electromotive force (Approx. 1 μ V)
- Small LED voltage drop on input side (Max. 1.5V)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV221	AQV221	DIP-6	80	40	1 Form A				
SMD Type									
769-AQV221A	AQV221A	SMD-6	80	40	1 Form A				
769-AQV225A	AQV225A	SMD-6	120	80	1 Form A				

AQV234 SERIES

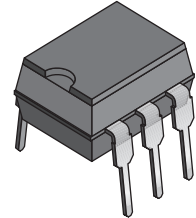
- High sensitivity type
- Low-level off state leakage current
- Stable ON resistance
- Low-level thermal electromotive force (Approx. 1 μ V)
- Extremely low closed-circuit offset voltages to enable control of small analog signals without distortion



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV234	AQV234	DIP-6	120	400	1 Form A				
SMD Type									
769-AQV234A	AQV234A	SMD-6	120	400	1 Form A				



AQV25 SERIES

- High sensitivity, low ON resistance
- Optical coupling for extremely high isolation
- Low-level thermal electromotive force (Approx. 1 μ V)
- Low-level off state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV251	AQV251	DIP-6	500	40	1 Form A				
769-AQV252	AQV252	DIP-6	400	60	1 Form A				
769-AQV253	AQV253	DIP-6	200	250	1 Form A				
769-AQV254	AQV254	DIP-6	150	400	1 Form A				
769-AQV257	AQV257	DIP-6	250	200	1 Form A				
769-AQV258	AQV258	DIP-6	20	1500	1 Form A				
769-AQV259	AQV259	DIP-6	30	1000	1 Form A				
769-AQV253H	AQV253H	DIP-6	200	250	1 Form A				
769-AQV254H	AQV254H	DIP-6	150	400	1 Form A				
SMD Type									
769-AQV251A	AQV251A	SMD-6	500	40	1 Form A				
769-AQV252A	AQV252A	SMD-6	400	60	1 Form A				
769-AQV257A	AQV257A	SMD-6	250	200	1 Form A				
769-AQV254A	AQV254A	SMD-6	150	400	1 Form A				
769-AQV258A	AQV258A	SMD-6	20	1500	1 Form A				
769-AQV259A	AQV259A	SMD-6	30	1000	1 Form A				

AQV252G SERIES

- Greatly improved specs allow you to use this in place of mercury and mechanical relays.
- Greatly increased load current in the same package size



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV252G	AQV252G	DIP-6	2500	60	1 Form A				
SMD Type									
769-AQV252GA	AQV252GA	SMD-6	2500	60	1 Form A				

AQV414 SERIES

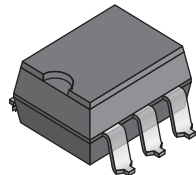
- Controls low-level analog signals
- High sensitivity, low ON resistance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV414	AQV414	DIP-6	120	400	1 Form B				
SMD Type									
769-AQV414A	AQV414A	SMD-6	120	400	1 Form B				



AQV414 E AND EH SERIES

- High sensitivity, low ON resistance
- Reinforced insulation 5,000 V type
- Low-level off-state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV414E	AQV414E	DIP-6	120	400	1 Form B				
769-AQV414EH	AQV414EH	DIP-6	120	400	1 Form B				
SMD Type									
769-AQV410EHA	AQV410EHA	SMD-6	130	350	1 Form B				
769-AQV414EHA	AQV414EHA	SMD-6	120	400	1 Form B				

PANASONIC PhotoMos Relays



This product is RoHS compliant.

Panasonic PhotoMOS™ relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.

Panasonic

AQW21 SERIES

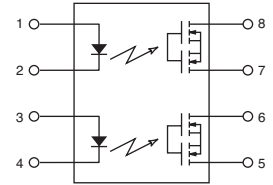
- Controls low-level analog signals
- High sensitivity, high speed response
- Low-level off state leakage current
- Low-level thermal electromotive force (Approx. 1μV)
- Stable ON resistance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW212	AQW212	DIP-8	500	60	2 Form A				
769-AQW214	AQW214	DIP-8	100	400	2 Form A				
769-AQW215	AQW215	DIP-8	300	100	2 Form A				
769-AQW216	AQW216	DIP-8	40	600	2 Form A				
SMD Type									
769-AQW212A	AQW212A	SMD-8	500	60	2 Form A				
769-AQW214A	AQW214A	SMD-8	100	400	2 Form A				
769-AQW216A	AQW216A	SMD-8	40	600	2 Form A				
769-AQW217A	AQW217A	SMD-8	160	200	2 Form A				



AQW21 EH SERIES

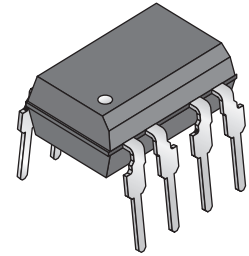
- Reinforced insulation 5,000V type
- Compact 8-pin DIP size
- High sensitivity, high speed response
- Low-level off state leakage current
- Controls low-level analog signals



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW210EH	AQW210EH	DIP-8	120	350	2 Form A				
769-AQW214EH	AQW214EH	DIP-8	100	400	2 Form A				
SMD Type									
769-AQW210EHA	AQW210EHA	SMD-8	120	350	2 Form A				
769-AQW216EHA	AQW216EHA	SMD-8	40	600	2 Form A				



DIP-8

AQW21 S SERIES

- 2 channels in super miniature design
- Low-level off state leakage current
- Controls low-level analog signals



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQW214S	AQW214S	SOP-8	80	400	2 Form A				
769-AQW210S	AQW210S	SOP-8	120	350	2 Form A				

AQW414 SERIES

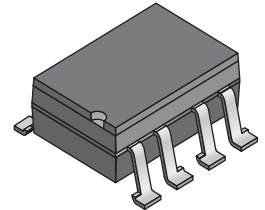
- Low-level thermal electromotive force (Approx. 1μV)
- Controls load currents up to 0.13A with an input current of 5mA
- Extremely low closed-circuit offset voltages to enable control of small
- High speed switching: operate time typical of 300μs



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW414	AQW414	DIP-8	100	400	2 Form B				
SMD Type									
769-AQW414A	AQW414A	SMD-8	100	400	2 Form B				



SMD-8

AQW414 EH SERIES

- Reinforced insulation 5,000V type
- High sensitivity, high speed response
- Controls low-level analog signals
- Low-level off state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW414EH	AQW414EH	DIP-8	100	400	2 Form B				
SMD Type									
769-AQW414EHA	AQW414EHA	SMD-8	100	400	2 Form B				

AQW614 SERIES

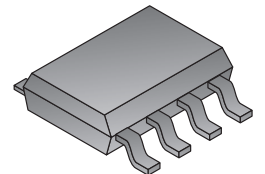
- Low-level thermal electromotive force (Approx. 1μV)
- Controls load currents up to 0.13A
- High speed switching: operate time of 300μs typical
- Stable ON resistance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW614	AQW614	DIP-8	100	400	1 Form A/1 Form B				
SMD Type									
769-AQW614A	AQW614A	SMD-8	100	400	1 Form A/1 Form B				



SOP-8

AQW654 SERIES

- Controls low-level analog signals
- High sensitivity, low ON resistance
- Low-level off state leakage current
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQW654A	AQW654A	SMD-8	120	400	1 Form A/1 Form B				

PANASONIC PhotoMos Relays



This product is RoHS compliant.

Panasonic PhotoMOS™ relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.



RoHS Compliant

AQW614 EH SERIES

- 60V type couples high capacity (0.5A) with low ON resistance (1Ω)
- Reinforced insulation 5,000V type
- Controls low-level analog signals
- Low-level off-state leakage current
- High sensitivity, high speed response

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQW610EH	AQW610EH	DIP-8	120	350	1 Form A/1 Form B				
769-AQW612EH	AQW612EH	DIP-8	500	60	1 Form A/1 Form B				
769-AQW614EH	AQW614EH	DIP-8	100	400	1 Form A/1 Form B				
SMD Type									
769-AQW614EHA	AQW614EHA	SMD-8	100	400	1 Form A/1 Form B				
769-AQW610EHA	AQW610EHA	SMD-8	120	350	1 Form A/1 Form B				

AQW61 S SERIES

- 2 channels in super miniature design
- Controls low-level analog signals
- Low-level off-state leakage current
- 60V type couples high capacity (0.45A) with low ON resistance (1Ω)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQW610S	AQW610S	SMD-8	100	350	1 Form A/1 Form B				

AQV10 AND AQV20 SERIES

- Controls low-level analog signals
- Controlled with low-level input signals
- Low-level off state leakage current
- Optical coupling for extremely high isolation
- Stable ON resistance
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV101	AQV101	DIP-6	700	40	1 Form A				
769-AQV102	AQV102	DIP-6	600	60	1 Form A				
769-AQV201	AQV201	DIP-6	500	40	1 Form A				
769-AQV202	AQV202	DIP-6	400	250	1 Form A				
SMD Type									
769-AQV102A	AQV102A	SMD-6	600	60	1 Form A				
769-AQV201A	AQV201A	SMD-6	500	40	1 Form A				
769-AQV202A	AQV202A	SMD-6	40	60	1 Form A				

AQV21 AND AQV214H SERIES

- Controls low-level analog signals
- Controlled with low-level input signals
- Optical coupling for extremely high isolation
- Stable ON resistance
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV212	AQV212	DIP-6	400	60	1 Form A				
769-AQV214	AQV214	DIP-6	120	400	1 Form A				
769-AQV216	AQV216	DIP-6	40	600	1 Form A				
769-AQV214H	AQV214H	DIP-6	120	400	1 Form A				
SMD Type									
769-AQV212A	AQV212A	SMD-6	400	60	1 Form A				
769-AQV214A	AQV214A	SMD-6	120	400	1 Form A				
769-AQW210A	AQW210A	SMD-6	120	350	2 Form A				

AQV21 E AND EH SERIES

- Controls low-level analog signals
- Controlled with low-level input signals
- Optical coupling for extremely high isolation
- Stable ON resistance
- Low-level off state leakage current
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQV210E	AQV210E	DIP-6	130	350	1 Form A				
769-AQV214E	AQV214E	DIP-6	120	400	1 Form A				
769-AQV210EH	AQV210EH	DIP-6	130	350	1 Form A				
769-AQV214EH	AQV214EH	DIP-6	120	400	1 Form A				
SMD Type									
769-AQV210EA	AQV210EA	SMD-6	130	350	1 Form A				
769-AQV214EA	AQV214EA	SMD-6	120	400	1 Form A				
769-AQV210EHA	AQV210EHA	SMD-6	130	350	1 Form A				
769-AQV214EHA	AQV214EHA	SMD-6	120	400	1 Form A				

AQV21 S AND AQV22 NS SERIES

- 1 channel (Form A) in super miniature design
- Controls low-level analog signals
- Low-level off state leakage current



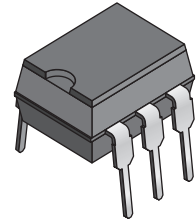
RoHS Compliant

For quantities greater than listed, call for quote.

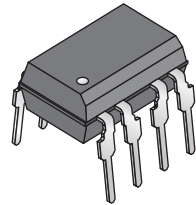
MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
AQV21 S Series									
769-AQV210S	AQV210S	SOP-6	120	350	1 Form A				
769-AQV212S	AQV212S	SOP-6	350	60	1 Form A				
769-AQV214S	AQV214S	SOP-6	100	400	1 Form A				
769-AQV215S	AQV215S	SOP-6	900	100	1 Form A				
769-AQV216S	AQV216S	SOP-6	40	600	1 Form A				
AQV22 NS Series									
769-AQV227NS	AQV227NS	SOP-6	50	200	1 Form B				

Panasonic

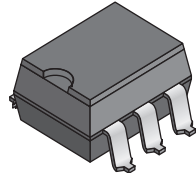
DIP-6



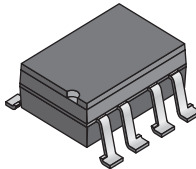
DIP-8



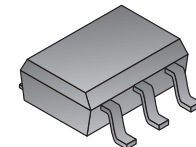
SMD-6



SMD-8



SOP-6



Panasonic Solid State Relays

PANASONIC PhotoMos Relays



This product is RoHS compliant.

Panasonic PhotoMOS™ relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.

AQV414S SERIES

- 1 channel (Form B) in super miniature design
- Controls low-level analog signals
- Low-level off state leakage current
- Low on resistance (Max. 50 Ω) at 400V for normally-closed type
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQV414S	AQV414S	SOP-6	100	400	1 Form B				

AQV45 SERIES

- Controls low-level analog signals
- High sensitivity, low ON resistance
- Reinforced insulation 5,000V type
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQV453A	AQV453A	DIP-6	200	250	1 Form B				

AQY21 EH SERIES

- Reinforced insulation 5,000V type
- High sensitivity, low ON resistance
- Controls low-level analog signals
- Low-level off state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQY210EH	AQY210EH	DIP-4	130	350	1 Form A				
SMD Type									
769-AQY214EHA	AQY214EHA	SMD-4	120	400	1 Form A				

AQY21 KS SERIES

- Short circuit protection (Latch type)
- Controls low-level analog signals
- Low-level off state leakage current
- SO package 4-Pin type in super miniature design



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY210KS	AQY210KS	SOP-4	120	350	1 Form A				

AQY21 S SERIES

- Controls low-level analog signals
- Low-level off state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY210S	AQY210S	SOP-4	120	350	1 Form A				
769-AQY212S	AQY212S	SOP-4	120	400	1 Form A				
769-AQY214S	AQY214S	SOP-4	100	400	1 Form A				

AQY212GH SERIES

- Greatly increased load current
- Reinforced insulation 5,000V type
- Greatly improved specs allow you to use this in place of mercury and mechanical relays



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY212GH	AQY212GH	DIP-4	1.1A	60	1 Form A				

AQY212GS SERIES

- Greatly increased load current in the same, miniature, 4-pin SO package
- Greatly improved specs allow you to use this in place of mercury and mechanical relays



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY212GS	AQY212GS	SOP-4	1000	60	1 Form A				

AQY221N1S SERIES

- Low output capacitance between output terminals and low ON resistance
- High speed switching
- Low-level off state leakage current
- Controls low-level analog signals
- Low thermal electromotive force (Approx. 1μV)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221N2SX	AQY221N2SX	SOP-4	120	40	1 Form A				

AQY221 2S SERIES

- R type (AQY221R2S) offers greatly reduced ON resistance
- C type (AQY221N2S) offers lower output capacitance
- Low-level off state leakage current of 10pA
- High speed switching



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221N2S	AQY221N2S	SOP-4	120	40	1 Form A				
769-AQY221R2S	AQY221R2S	SOP-4	250	40	1 Form A				

AQY221R2T SERIES

- Features:**
- VSSOP type with further reduction in mounting area
 - Low on resistance (R type) available
 - Low on resistance and low output capacitance available at CxR10

- Application:**
- Measuring and testing equipment
 - Telecommunication equipment



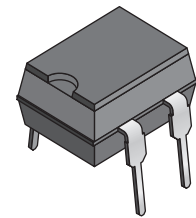
RoHS Compliant

For quantities greater than listed, call for quote.

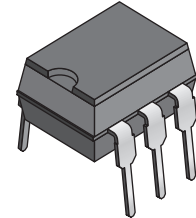
MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221R2TY	AQY221R2TY	VSSOP	250mA	40	1 Form A				
769-AQY221R2TW	AQY221R2TW	VSSOP	250mA	40	1 Form A				



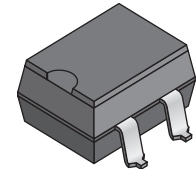
VSSOP



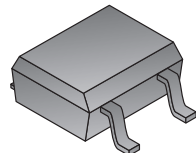
DIP-4



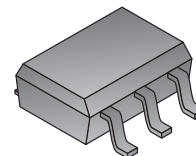
DIP-6



SMD-4



SOP-4



SOP-6

PANASONIC PhotoMos Relays



This product is RoHS compliant.

Panasonic PhotoMOS™ relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.

AQY221N3V SERIES

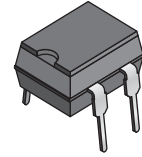
- Reduced package size
- High speed switching
- Lower output capacitance and on-resistance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221N3V	AQY221N3V	SSOP-4	150	25	1 Form A				



DIP-4

AQY27 SERIES

- High capacity
- High sensitivity
- Flat-Packaged Type(W) 8.8 x (D) 9.3 x (H) 3.9mm(W)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQY272	AQY272	DIP-4	2000	60	1 Form A				
769-AQY274	AQY274	DIP-4	350	400	1 Form A				
SMD Type									
769-AQY272A	AQY272A	SMD-4	2000	60	1 Form A				
769-AQY275A	AQY275A	SMD-4	1300	100	1 Form A				
769-AQY277A	AQY277A	SMD-4	650	200	1 Form A				



SIL-4

AQY41 S SERIES

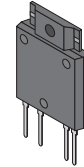
- Controls low-level analog signals
- Low-level off-state leakage current
- 60V type couples high capacity (0.5A) with low ON resistance (1Ω)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY410S	AQY410S	SOP-4	120	350	1 Form B				
769-AQY414S	AQY414S	SOP-4	100	400	1 Form B				



SIP-4

AQY221 2V SERIES

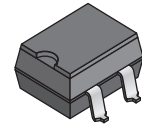
- R type (AQY221R2S) offers greatly reduced ON resistance.
- C type (AQY221N2S) offers lower output capacitance.
- Reduced package size
- High speed switching



RoHS Compliant

For quantities greater than listed, call for quote.

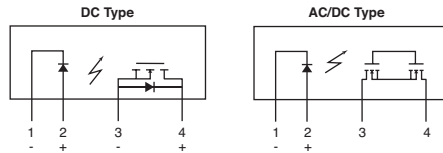
MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221N2V	AQY221N2V	SSOP-4	120	40	1 Form A				
769-AQY221R2V	AQY221R2V	SSOP-4	250	40	1 Form A				



SMD-4

AQZ10 AND 20 SERIES

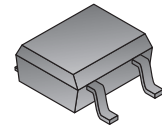
- High capacity PhotoMOS Relay in a compact and slim 4-pin SIL
- Extremely low ON resistance
- Control low-level signal
- Low-level off state leakage current
- High I/O isolation voltage 2,500V
- PC board layout is simplified
- No restriction on mounting direction



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
DC Type									
769-AQZ102	AQZ102	SIP-4	4.0	60	1 Form A				
769-AQZ105	AQZ105	SIP-4	2.6	100	1 Form A				
AC/DC Type									
769-AQZ202	AQZ202	SIP-4	3.0	60	1 Form A				
769-AQZ204	AQZ204	SIP-4	0.5	400	1 Form A				
769-AQZ205	AQZ205	SIP-4	2.0	100	1 Form A				
769-AQZ207	AQZ207	SIP-4	1.0	200	1 Form A				



SOP-4

AQZ262 SERIES

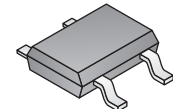
- High capacity type power photoMOS relay
- Low ON resistance and high sensitivity
- AC/DC dual use
- Controls low-level analog signals
- Low-level off state leakage current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQZ262	AQZ262	SIP-4	6A	60	----				



SSOP-4

AQZ404 SERIES

- High capacity



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQZ404	AQZ404	SIL-4	0.5	400	1 Form B				

TELEDYNE Solid State Power Relays

S SERIES SINGLE OUTPUT, AC/DC CONTROL SOLID STATE RELAYS

Features:

- Industry standard package
- Excellent thermal performance
- UL High Immunity to surges
- Internal Snubber
- Tight zero-cross window for low EMI
- UL Recognized

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-S24A40	S24A40	A	40A	240VAC	90-240VAC/DC	Zero-Cross		
881-S24D25	S24D25	A	25A	240VAC	4-30VDC	Zero-Cross		
881-S24D40	S24D40	A	40A	240VAC	4-30VDC	Zero-Cross		
881-S24R40	S24R40	A	40A	240VAC	3-30VDC	Random		
881-S48A25	S48A25	A	25A	480VAC	90-240VAC/DC	Zero-Cross		
881-S48A50	S48A50	A	50A	480VAC	90-240VAC/DC	Zero-Cross		
881-S48D125	S48D125	A	125A	480VAC	5-30VDC	Zero-Cross		
881-S48D25	S48D25	A	25A	480VAC	5-30VDC	Zero-Cross		
881-S48D50	S48D50	A	50A	480VAC	5-30VDC	Zero-Cross		
881-S48R50	S48R50	A	50A	480VAC	4-30VDC	Random		
881-S60D50	S60D50	A	50A	600VAC	7-30VDC	Zero-Cross		

SD SERIES DUAL OUTPUT SOLID STATE RELAYS

- Dual output (2 in 1)
- Fast-on and screw terminals available
- * Fast-on terminals included.
- Low zero cross level
- Available with EZ Mount™ thermal pad installed (-12 Option)
- Excellent thermal performance
- pad installed (-12 Option)

For quantities greater than listed, call for quote.

* 881-SD24D40-06	SD24D40-06	B	40A	280VAC	4-30VDC	Zero-Cross		
* 881-SD24D50-06	SD24D50-06	B	50A	280VAC	4-30VDC	Zero-Cross		
* 881-SD48D40-06	SD48D40-06	B	40A	500VAC	5-30VDC	Zero-Cross		
881-SD48D50A	SD48D50A	B	50A	600VAC	10-30VDC	Zero-Cross		
881-SD24R50	SD24R50	B	50A	280VAC	4-30VDC	Random		
* 881-SD24R50-06	SD24R50-06	B	50A	280VAC	4-30VDC	Random		

SQ SERIES QUAD OUTPUT SOLID STATE RELAYS

- Quad output (4 in 1)
- Excellent thermal performance
- * EZ Mount™ thermal pad installed (-12 Option)
- Low zero cross level
- Fast-on terminals

For quantities greater than listed, call for quote.

881-SQ24D25	SQ24D25	C	25A	280VAC	3-32VDC	Zero-Cross		
* 881-SQ24D25-12	SQ24D25-12	C	25A	280VAC	3-32VDC	Zero-Cross		

ST SERIES SINGLE OUTPUT, AC/DC CONTROL SOLID STATE RELAYS

- Excellent thermal performance
- Tight zero-cross window for low EMI
- High immunity for surges
- UL Recognized

For quantities greater than listed, call for quote.

881-ST24D12	ST24D12	D	12A	240VAC	4-30VDC	Zero-Cross		
881-ST24D25	ST24D25	D	25A	240VAC	4-30VDC	Zero-Cross		
881-ST48D50	ST48D50	D	50A	480VAC	5-30VDC	Zero-Cross		

X SERIES DC CONTROL SOLID STATE RELAYS

- Compact Size
- Tight zero-cross window for low EMI
- Spring terminals
- Touch-proof terminals

For quantities greater than listed, call for quote.

881-X24D12	X24D12	E	12A	240VAC	7-30VDC	Zero-Cross		
------------	--------	---	-----	--------	---------	------------	--	--

XV SERIES SINGLE OUTPUT, NO HEAT SINK, HYBRID SOLID STATE RELAY

- Internal output protection
- Tight zero-cross window for low EMI
- Control LED
- High immunity for surges

For quantities greater than listed, call for quote.

881-XV46D30K	XV46D30K	F	30A	420VAC	20-30VDC	Zero-Cross		
--------------	----------	---	-----	--------	----------	------------	--	--

HIGH INDUSTRIAL PERFORMANCE (HIPPAK) SOLID STATE RELAYS

SH Series

Features:

- Low zero cross turn on voltage
- IP20 touch proof flaps
- Input and output protection and control LED
- Connectors for power wiring and heat sinks available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
881-SH24A25	SH24A25	G	25A	12-275VAC	20-265VAC/DC	Zero-Cross	
881-SH24D25	SH24D25	G	25A	12-275VAC	3-32VDC	Zero-Cross	
881-SH24D50	SH24D50	G	50A	12-275VAC	3-32VDC	Zero-Cross	
881-SH24R50	SH24R50	G	50A	12-275VAC	3-32VDC	Random	
881-SH48A125	SH48A125	G	125A	24-510VAC	20-265VAC/DC	Zero-Cross	
881-SH48A50	SH48A50	G	50A	24-510VAC	20-265VAC/DC	Zero-Cross	
881-SH48D125	SH48D125	G	125A	24-510VAC	3.5-32VDC	Zero-Cross	
881-SH48D50	SH48D50	G	50A	24-510VAC	3.5-32VDC	Zero-Cross	
881-SH48D95	SH48D95	G	95A	24-510VAC	3.5-32VDC	Zero-Cross	
881-SH48R125	SH48R125	G	125A	24-510VAC	3.5-32VDC	Random	
881-SH48R50	SH48R50	G	50A	24-510VAC	3.5-32VDC	Random	
881-SH60D125	SH60D125	G	125A	24-690VAC	3.5-32VDC	Zero-Cross	

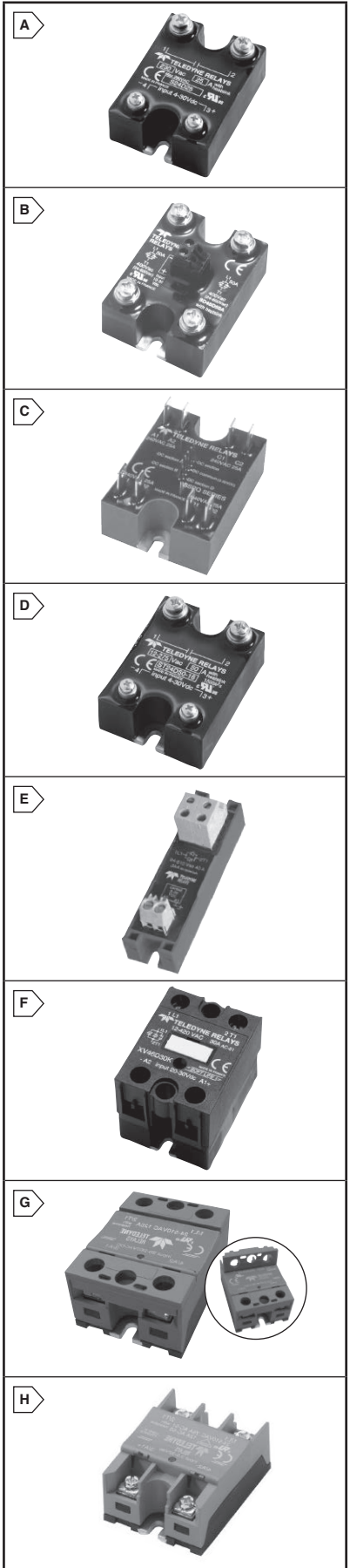
STH Series

Features:

- Zero cross
- Voltage protection on input (transil)
- Regulated input current
- Control status LED

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
881-STH24D12	STH24D12	H	12A	12-280VAC	3-32VDC	Zero-Cross-Resistive	
881-STH24D25	STH24D25	H	25A	12-280VAC	3-32VDC	Zero-Cross-Resistive	
881-STH48D50	STH48D50	H	50A	24-600VAC	3.5-32VDC	Zero-Cross-Resistive	



TELEDYNE Solid State Power Relays

S20DC30/S20DC100 DC SOLID STATE RELAYS

Features:

- Output to 100Amps, 200VDC
 - Ultra low output leakage current
 - Ultra low on state resistance
 - Low control current consumption
 - * Available with EZ Mount™ thermal pad installed (-12 Option)
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
* 881-S20DC30	S20DC30	A	30A	200VDC	4.5-32VDC	DC	
* 881-S20DC100	S20DC100	A	100A	200VDC	4.5-32VDC	DC	

E3P SERIES THREE-PHASE SOLID STATE RELAYS

Features:

- High immunity to surges
- Low zero cross level
- UL recognized
- † Includes MOV

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
881-E3P48D25	E3P48D25	B	25A	600VAC	8.5-30VDC	Zero-Cross	
881-E3P48D50	E3P48D50	B	50A	600VAC	8.5-30VDC	Zero-Cross	
881-E3P48D75	E3P48D75	B	75A	600VAC	8.5-30VDC	Zero-Cross	
881-E3P48A50	E3P48A50	B	50A	600VAC	90-240VAC/dc	Zero-Cross	
† 881-E3P48D75-16	E3P48D75-16	B	75A	520VAC	8.5-30VDC	Zero-Cross	

AS/BS/DS SERIES LOW CURRENT SOLID STATE SIP RELAYS

- Industry standard package
- High In rush capabilities
- Low input current draw
- High DV/DT capability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-AS24D4E	AS24D4E	C	4A	275VAC	4-30VDC	Zero-Cross		
881-AS46D4E	AS46D4E	C	4A	460VAC	4-30VDC	Zero-Cross		
881-BS24D4A	BS24D4A	C	4A	280VAC	3-10VDC	Zero-Cross		
881-BS24D4F	BS24D4F	C	4A	280VAC	8-30VDC	Zero-Cross		
881-BS60D4A	BS60D4A	C	4A	600VAC	3.7-10VDC	Zero-Cross		
881-DS6R3E	DS6R3E	C	3A	60VDC	3-30VDC	Random		
881-DS2R1E	DS2R1E	C	1A	220VDC	3-30VDC	Random		

C3P SERIES THREE-PHASE SOLID STATE SIP RELAYS

Features:

- Industry standard package
- High Temp plastic housing
- Tight zero-cross window for low EMI
- Exposed ceramic baseplate for reduced thermal resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-C3P24D25	C3P24D25	D	25A	280VAC	10-30VDC	Zero-Cross		
881-C3P24D25C	C3P24D25C	D	25A	280VAC	3.5-10VDC	Zero-Cross		

DX SERIES DIN-RAIL SOLID STATE RELAY, AC/DC CONTROL

Features:

- AC/DC control
- High immunity to surges
- Control visualization by LED

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-DX6R3E-02	DX6R3E-02	E	3A	60VDC	3-30VDC	Random		

FS SERIES DC CONTROL SOLID STATE RELAYS

- Miniature size package
- Tight zero-cross window for low EMI
- High immunity to surges
- UL Recognized

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-FS24D10-06	FS24D10-06	F	10A	280VAC	4-30VDC	Zero-Cross		
881-FS24D20-06	FS24D20-06	F	20A	280VAC	4-30VDC	Zero-Cross		

L SERIES SINGLE OUPUT, DC CONTROL SOLID STATE RELAYS

Features:

- Ultraminiature package
- PCB Switch Type
- Optional thermal pad available

For quantities greater than listed, call for quote.

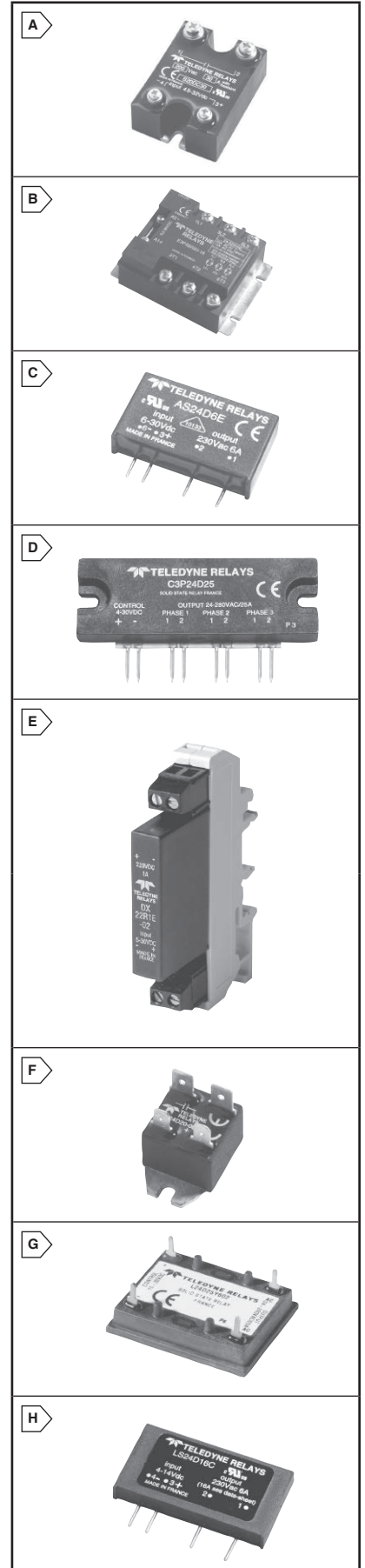
MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-L24D25C	L24D25C	G	25A	280VAC	3.5-15VDC	Zero-Cross		
881-L24D25G	L24D25G	G	25A	280VAC	12.5-32VDC	Zero-Cross		

LS SERIES DC CONTROL SOLID STATE SIP RELAY

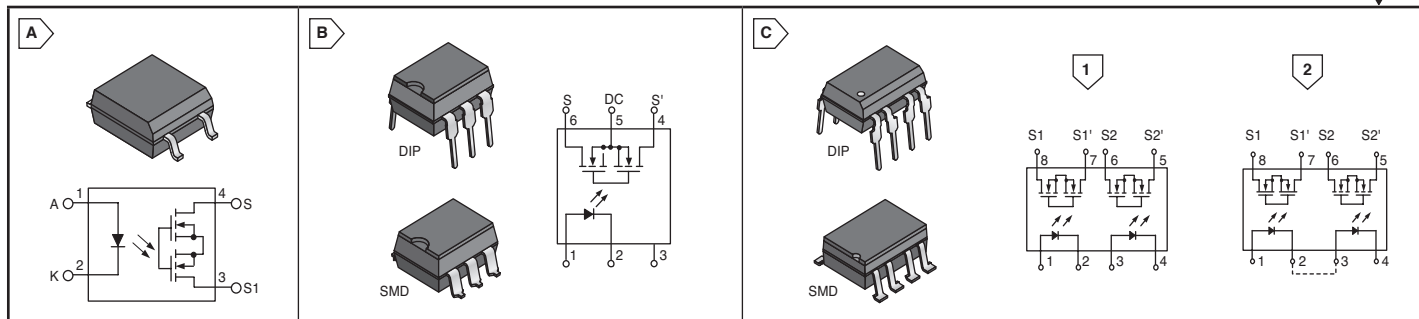
- Industry standard package
- Designed for an external heat-sink attachment
- Over-sized thyristor ratings
- Direct-copper bonding technology
- UL Recognized

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-LS24D16C-HS1	LS24D16C-HS1	H	16A	240VAC	4-14VDC	Zero-Cross		



VISHAY Solid State Relays



Vishay's Solid State Relays (SSRs), previously sold under the Infineon, Siemens, and AT&T brand names, deliver fast switching while optically isolating and protecting equipment from damaging external high-voltage spikes. By eliminating the majority of wire bonds found in other SSRs, Vishay's monolithic structure has set the performance standard. With no moving parts, our solid state relays are noiseless, bounce-free and reliable, commonly replacing electromechanical relays. Used in industrial, automotive, and communication applications, all of our solid state relays feature low power consumption, small packaging, and low turn-on current. Exceeding industry standards, they are approved by VDE, UL, CSA and other safety regulatory agencies.

Applications:

- General Telecom Switching
- On/off-hook
- Ring Relay/Dial Pulse
- Ground Start/Fault Protection
- Instrumentation
- Automatic Tuning/Balancing
- Flying Capacitor
- Analog MultiplexOn/off-hook

- Industrial Controls
- Triac Predrivers
- Output Modules

Safety Standards:

UL/BSI = UL Recognized (E52744) and BSI (7980)
 UL/VDE = UL Recognized (E300068) and VDE (VDE0884)
 UL/CSA = UL Recognized (E52744) and CSA Approved (093751)
 UL/BSI/CSA = UL Recognized (E52744), BSI (7980) and CSA Approved (093751)



1 FORM A

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R _{ON}			t _{on} (ms) (Typ.)	t _{off} (ms) (Typ.)	V _L (V) (max.)	I _L (mA) (max.)	P _{diss} (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
					I _F (mA)	I _L (mA)												
◆	782—LH1546AEFTR	A	SOP-4	UL/BSI	28.00	5.0	50	2.0	0.08	350	120	550	3000	SPST NO				
	782—VO1400AEFTR	A	SOP-4	UL/VDE	2.30	10.0	100	52.0	36.0	60	100	400	1500	SPST NO				
◆	782—LH1510AABTR	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO				
◆	782—LH1510AAB	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO				
◆	782—LH1510AT	B	DIP-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO				
◆	782—LH1500AABTR	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	----	5300	SPST NO				
	782—LH1500AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	----	5300	SPST NO				
◆	782—LH1540AAB	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO				
	782—LH1540AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO				
◆	782—LH1546AABTR	B	SMD-6	UL/BSI/CSA	28.00	5.0	50	1.14	0.71	350	120	550	5300	SPST NO				
◆	782—LH1525AABTR	B	SMD-6	UL/BSI/CSA	26.00	1.5	50	1.25	0.60	400	125	550	5300	SPST NO				

DUAL FORM A

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R _{ON}			t _{on} (ms) (Typ.)	t _{off} (ms) (Typ.)	V _L (V) (max.)	I _L (mA) (max.)	P _{diss} (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
					I _F (mA)	I _L (mA)												
◆	782—LH1522AAC	C1	SMD-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO				
	782—LH1522AB	C1	DIP-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO				
◆	782—LH1520AAC	C1	SMD-8	UL/BSI/CSA	20.00	5.0	50	1.4	0.70	350	150	600	5300	SPST NO				

1 FORM B

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R _{ON}			t _{on} (ms) (Typ.)	t _{off} (ms) (Typ.)	V _L (V) (max.)	I _L (mA) (max.)	P _{diss} (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
					I _F (mA)	I _L (mA)												
	782—LH1501BT	B	DIP-6	UL/CSA	20.00	0.0	50	2.0	1.0	350	150	550	3750	SPST NC				

DUAL FORM A, B/C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	R _{ON}			t _{on} (ms) (Typ.)	t _{off} (ms) (Typ.)	V _L (V) (max.)	I _L (mA) (max.)	P _{diss} (mW) (max.)	Isolation Voltage (Vrms)	Output Type	Price Each			
Mfr.	Mfr. Part No.				(Ω) (Typ.)	Test Cond.									1	10	100	1000
					I _F (mA)	I _L (mA)												
◆	782—LH1502BAC	C2	SMD-8	UL/CSA	20.00	5/0	50/50	3.2/3.8	1.6/0.8	350	150	600	3750	NO or NC				
	782—LH1512BB	C2	DIP-8	UL/CSA	10.00	5/0	50/50	1.4/1.2	0.7/2.0	200	200	600	3750	NO or NC				

MAGNECRAFT General Purpose Relays



Magnecraft
Your Contact for Industrial Relays

CLASS 782 GENERAL PURPOSE RELAYS

RoHS Compliant This product is RoHS compliant.

Specifications:

- Contact material: 3 amps bifurcated - silver gold plated
- 3 amps - silver gold flashed
- 5, 10 and 15 Amps - silver cadmium oxide, gold flashed
- Coil power: 0.9 - 1.1 watts DC, 1.0 - 1.2VA (60Hz) AC, @ 25°C
- Class B insulation
- Dielectric strength: 1500Vrms



Solder/Plug-in Mount

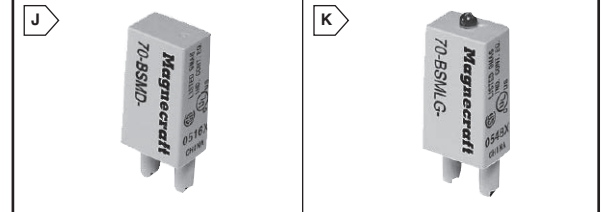
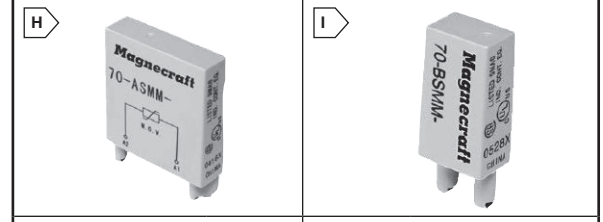
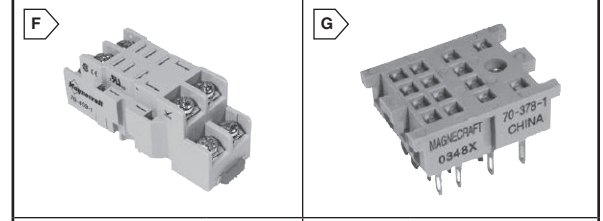
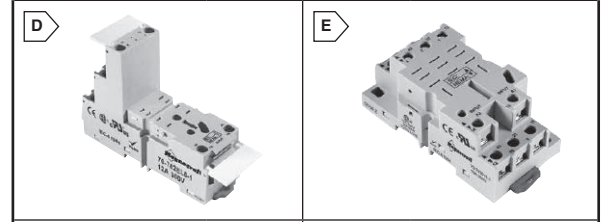
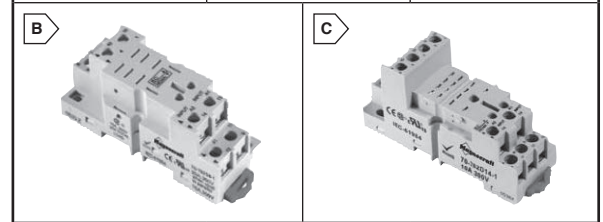
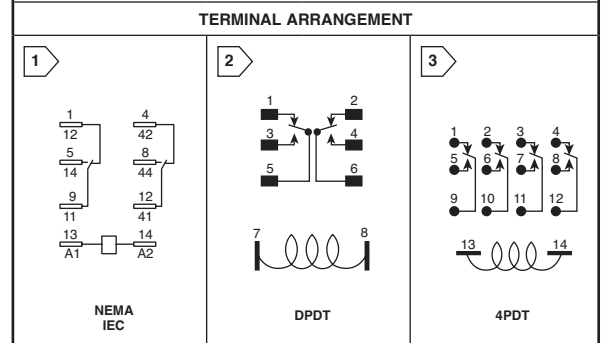
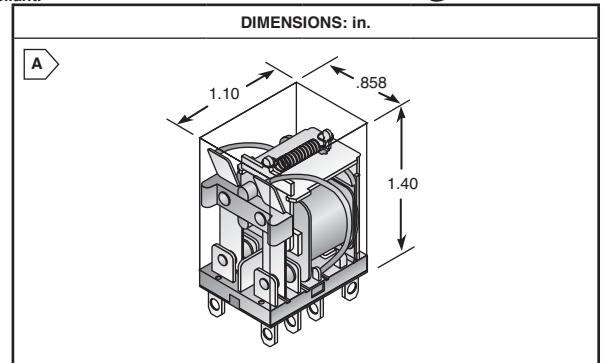
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-782XB2M4L-120A	782XB2M4L-120A	A1	DPDT	10A	120VAC	4430				
528-782XB2M4L-12D	782XB2M4L-12D	A1	DPDT	10A	12VDC	160				
528-782XB2M4L-24A	782XB2M4L-24A	A1	DPDT	10A	24VAC	180				
528-7880-6	782XBXC-6D	A2	DPDT	20A	6VDC	40				
528-7880-7	782XBXC-12D	A2	DPDT	15A	12VDC	160				
528-7880-8	782XBXC-24D	A2	DPDT	15A	24VDC	650				
528-7810-1	782XDIXIC-6D	A3	4PDT	3A	6VDC	40				
528-7810-2	782XDIXIC-12D	A3	4PDT	3A	12VDC	160				
528-7895-13	782XDIX2C-24D	A3	4PDT	10A	24VDC	650				
528-7870-9	782XBXC-24A	A2	DPDT	15A	24VAC	180				
528-7870-11	782XBXC-120A	A2	DPDT	15A	120VAC	4430				
528-7870-12	782XBXC-240A	A2	DPDT	20A	240VAC	15,700				
528-7840-3	782XDIXIC-24A	A3	4PDT	3A	24VAC	180				
528-7840-5	782XDIXIC-120A	A3	4PDT	3A	120VAC	4430				

Enclosed, Printed Circuit Mount

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-7830-1	782XBXCCT-6D	A2	DPDT	20A	6VDC	40				
528-7830-2	782XBXCCT-12D	A2	DPDT	15A	12VDC	160				
528-7830-3	782XBXCCT-24D	A2	DPDT	15A	24VDC	650				
528-7820-2	782XDIX3CT-12D	A3	4PDT	3A	12VDC	160				
528-7820-3	782XDIX3CT-24D	A3	4PDT	3A	24VDC	650				
528-7850-5	782XBXCCT-120A	A2	DPDT	15A	120VAC	4430				
528-7825-3	782XDIX3CT-24A	A3	4PDT	3A	24VAC	180				
528-7825-5	782XDIX3CT-120A	A3	4PDT	3A	120VAC	4430				

Magnecraft HARDWARE FOR CLASS 782 RELAYS

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Use with Relay Series	Price Each			
					1	10	25	50
Finger Safe-Sockets with Screw Clamp Terminals								
528-70-782D8-1A	70-782D8-1A	B	8 Pin DIN/Panel Mount	782, w/0.187 Terminal				
528-70-782D14-1	70-782D14-1	C	14 Pin Ice Cube Sckt	782, 4 Pole (Plain and Full Featured) 782, Hermetic Only				
528-70-782E14-1	70-782E14-1	D	DIN/PM Socket 14-Pin, Elev Term	700				
528-70-782EL14-1	70-782EL14-1	D	DIN/PM Socket 14-Pin, Elev Term	700				
528-70-782EL11-1	70-782EL11-1	D	DIN/PM Socket 11-Pin, Elev Term	700				
Finger Safe-Sockets with Eurostyle (Elevator) Terminals								
528-70-782EL8-1	70-782EL8-1	E	DIN Rail Socket	782, 2 Pole (All)				
528-70-783D11-1A	70-783D11-1A	E	DIN/PM Socket 11-Pin, Screw Term	700				
Classic Sockets with Screw Clamp Terminals								
528-459	70-459-1	F	8 Pin Screw Terminals	782, w/0.187 Terminal				
528-461	70-461-1	F	14 Pin Screw Terminals	782 (All and Hermetic)				
Chassis Mount Sockets with Solder Terminals								
528-3781	70-378-1	G	14 Pin Solder Terminals	782 (All and Hermetic) 782C, Hermetic Only				
Chassis Mount Sockets with 0.187" Quick Connect Terminals								
528-401	70-401-1	-	8 Pin Solder Terminals	782, w/0.187 Terminal				
Printed Circuit Sockets with Thru-Hole Solder Pins								
528-3791	70-379-1	-	14 Pin PC Terminals	782 (All and Hermetic) TDR782				
528-402	70-402-1	-	8 Pin PC Terminals	782, w/0.187 Terminal				
Clips for Class 782-784 Relays								
528-16-1342	16-1342	-	Hold Down Clip	782 (All)				
528-16-782IDC	16-782IDC	-	Write - On ID Clip	782				
528-16-782PC-1	16-782PC-1	-	Plastic Hold-Down Clip	782				
528-16-782SC	16-782SC	-	Metal Spring Clip	782				
528-16-783IDC	16-783IDC	-	Write - On ID Clip	783				
528-16-784IDC	16-784IDC	-	Write - On ID Clip	784				
528-16-784SC	16-784SC	-	Metal Spring Clip	784				
528-16-TDR782SC	16-TDR782SC	-	Metal Spring Clip	782				
Hardware for 70-782								
528-16-700ST-1	16-700ST-1	-	ID Tags for 16-782PC-1	782				
528-70-ASMM-24	70-ASMM-24	H	MOV Suppressor	70-750-70-788				
528-70-BSMM-120	70-BSMM-120	I	MOV Suppressor	70-782				
528-70-BSMM-24	70-BSMM-24	I	MOV Suppressor	70-782				
528-70-BSMM-240	70-BSMM-240	I	MOV Suppressor	70-782				
528-70-BSMD-250	70-BSMD-250	J	Protection Diode	70-785				
528-70-BSMLG-24	70-BSMLG-24	K	LED Indicator	70-782				



MAGNECRAFT General Purpose Relays



RoHS Compliant This product is RoHS compliant.

CLASS 782H HERMETICALLY SEALED RELAYS

Specifications:

- UL Class 1 Div. 2 for use in hazardous locations.
- UL Listed when used with DIN mount socket 528-461 and hold down clip 528-1324 listed below.
- Coil power: 0.9 watts DC, 1.2VA (60Hz) AC @ 25°C
- Class B insulation
- Dielectric strength: 1240Vrms

Features:

- Vacuum baked and dry nitrogen filled
- Removes contaminants and provides a clean and dry atmosphere for contacts
- Hermetically sealed metal enclosure

Applications:

- Ideal for use in hazardous locations



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-In										
528-782XH21-12D	782XDXH21-12D	A1	4PDT	5A	12VDC	160				
528-782XH10-24D	782XDXH10-24D	A1	4PDT	3A	24VDC	650				
528-782XH21-24D	782XDXH21-24D	A1	4PDT	5A	24VDC	650				
528-782XH10-120A	782XDXH10-120A	A1	4PDT	3A	120VAC	3900				
Sockets and Hold Down Clip for Class 782XDXH Relays										
528-3781	70-378-1	-	14 Pin Solder terminals, 4 Pole							
528-3791	70-379-1	-	14 Pin PC terminals, 4 Pole							
528-461	70-461-1	-	14 Pin DIN/Panel mount with screw terminals							
528-16-1342	16-1342	-	Metal hold down clip for 782 relays							

CLASS 783 RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	5	20	40
528-783XCXM4L-24A	783XCXM4L-24A	-	3PDT	15A	24VAC	103				

CLASS 784 ICE CUBE RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	5	20	40
528-784DXDC-24A	784DXDC-24A	-	4DPDT	15A	24VAC	84.5				
528-784DXDC-24D	784DXDC-24D	-	4DPDT	15A	24VDC	388				
528-784DXM4L-12D	784DXM4L-12D	-	4DPDT	15A	48VDC	1550				

CLASS 788 POWER RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	5	20	40
528-788XBXC-120A	788XBXC-120A	-	DPDT	16A	120VAC	1700				
528-788XBXC-240A	788XBXC-240A	-	DPDT	16A	240VAC	1700				

CLASS 785 SQUARE BASE MAGNETIC LATCHING RELAYS

Specifications:

- Contact resistance: 50mΩ maximum initial at rated current
- Coil power: 1.9 watts DC, 2.1 VA(60Hz) AC @ 25°C

- Contact material: silver cadmium oxide, gold flashed
- Dielectric strength: 1500Vrms



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supersedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
Single Coil Latching											
528-785XBXC-12D	785XBXC-12D	W388MLCPX-6	B2	DPDT	16A	12VDC	120				
Dual Coil Latching											
528-785XBXC-12D	785XBXC-12D	W388ML2CPX-6	B3	DPDT	16A	12VDC	88/88				
528-785XBXC-24D	785XBXC-24D	W388ML2CPX-7	B3	DPDT	16A	24VDC	350/350				
Sockets and Hold Down Clips for 785 Relays											
528-1241	70-124-1	-----	-	11 Pin Solder terminals with mounting tabs							
528-1242	70-124-2	-----	-	11 Pin QC terminals with mounting tabs							
528-1781	70-178-1	-----	-	11 Pin PC terminals with mounting tabs							
528-1782	70-178-2	-----	-	11 Pin PC terminals without mounting tabs							
528-4631	70-463-1	-----	-	11 Pin DIN/Panel mount with screw terminals							
528-70-788EL11-1	70-788EL11-1	-----	-	11 Pin Logic style DIN mount elevator terminals, module compatible							

CLASS 788 SQUARE BASE RELAYS

Specifications:

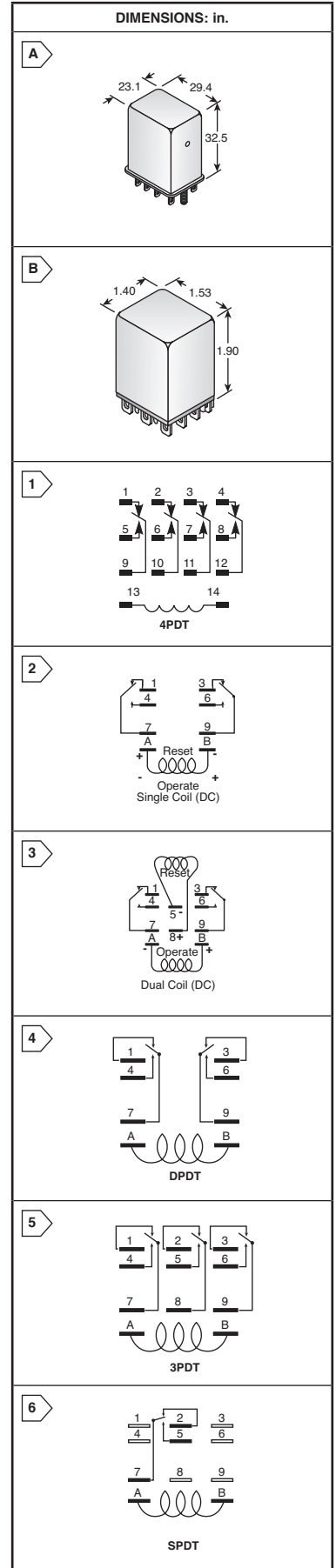
- Contact resistance: 50mΩ max. initial resistance @ rated current
- Coil power: 1.2 watts for DC coils, 2VA to 2.75VA for AC @ 25°C
- Class B insulation

- Contact material: silver alloy, gold flashed
- Dielectric strength: 1500Vrms



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supersedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
Plain Cover, AC or DC Operated											
528-788XBXC-12D	788XBXC-12D	A283XBXC-12D	B4	DPDT	16 Amp	12VDC	120				
528-788XCXC-12D	788XCXC-12D	A283XCXC-12D	B5	3PDT	16 Amp	12VDC	120				
528-788XCXC-24D	788XCXC-24D	A283XCXC-24D	B5	3PDT	16 Amp	24VDC	472				
528-788XCXC-24A	788XCXC-24A	A283XCXC-24A	B5	3PDT	16 Amp	24VAC	72				
528-788XCXC-120A	788XCXC-120A	A283XCXC-120A	B5	3PDT	16 Amp	120VAC	1700				
Flange Mount Cover, AC or DC Operated											
528-788AXXC1-24D	788AXXC1-24D	A283AXXC1-24D	B6	SPDT	16 Amp	24VDC	472				
528-788BXC1-120A	788BXC1-120A	A283BXC1-120A	B4	DPDT	16 Amp	120VAC	2250				
528-788XCXC1-24D	788XCXC1-24D	A283XCXC1-24D	B5	3PDT	16 Amp	24VDC	472				
Plain Cover with Blowout Magnet											
528-788XBXC-24D	788XBXC-24D	-----	-	DPDT	16 Amp	24 VDC	470				
Sockets and Hold Down Clip for Series 788 Square Base Relays											
528-1241	70-124-1	-----	-	11 Pin Solder terminals with mounting tabs							
528-1242	70-124-2	-----	-	11 Pin Q.C. terminals with mounting tabs							
528-1781	70-178-1	-----	-	11 Pin PC terminals with mounting tabs							
528-1782	70-178-2	-----	-	11 Pin PC terminals without mounting tabs							
528-4631	70-463-1	-----	-	11 Pin DIN/Panel mount with screw terminals							
528-16-1351	16-1351	-----	-	Metal hold down clip							



TDRPRO UNIVERSAL TIME DELAY RELAYS

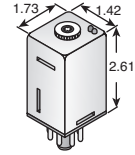
Socket Clips for Series TDRPRO Programmable Time-Delay Relays

For quantities greater than listed, call for quote.

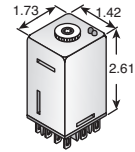
MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-464	70-464-1	8 Pin Octal DIN/Panel mount with screw terminals				
528-465	70-465-1	11 Pin Octal DIN/Panel mount with screw terminals				
528-16-TDRPROSC	16-TDRPROSC	Metal Spring Clip for TDRPRO Relays				

DIMENSIONS: in.

A



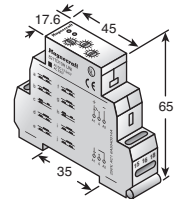
B



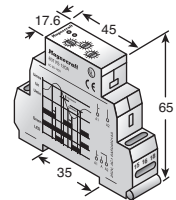
C



D



E



CLASS TDRSOX/SRX COMPACT TIME DELAY RELAYS



Specifications:

- Contact material: Silver alloy
- Contact rating: 12A
- Temp Range: -20°C to +55°C
- Wide Time Range: 0.1 seconds to 10 hour, 8 scales, fine adjustment with knob
- Indicator LED's: Green-power applied, Red-output energized
- Compact Size: 36mm wide to optimize DIN Rail space

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Mating Socket Part No.	Price Each			
						1	10	25	50
8 Pin Octal Base - On Delay / Interval									
528-TDRSOXP-24V	TDRSOXP-24V	A	DPDT	24VAC/VDC	528-464				
528-TDRSOXP-120V	TDRSOXP-120V	A	DPDT	120VAC/VDC	528-464				
11 Pin Octal Base - Off Delay / Retriggerable One Shot									
528-TDRSRXP-24V	TDRSRXP-24V	A	DPDT	24VAC/VDC	528-465				
528-TDRSRXP-120V	TDRSRXP-120V	A	DPDT	120VAC/VDC	528-465				
10 Blade Square Base - Off Delay / Retriggerable One Shot									
528-TDRSRXB-24V	TDRSRXB-24V	B	DPDT	24VAC/VDC	528-4631				
528-TDRSRXB-120V	TDRSRXB-120V	B	DPDT	120VAC/VDC	528-4631				

TDR782 MINIATURE TIME DELAY RELAYS

Features:

- A Single-function, single-voltage time delay relay with multiple time ranges
- Available as a DPDT and 4PDT to meet your individual needs
- Switching capabilities of either 3 or 5 amps
- Two LED status indicators which indicate status at a glance

Specifications:

- Timing Range: 0.1s to 100hrs
- Tolerance: Mechanical Setting 5%
- Reset Time: Maximum 50ms



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input Voltage	Price Each			
				1	10	25	50
DPDT, 5 Amps							
528-TDR782XBXA-12D	TDR782XBXA-12D	C	12VDC				
528-TDR782XBXA-24D	TDR782XBXA-24D	C	24VDC				
528-TDR782XBXA-110A	TDR782XBXA-110A	C	110VAC				

Sockets for TDR782 Relays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-3781	70-378-1	14 Pin Solder terminals, 4 Pole.				
528-3791	70-379-1	14 Pin PC terminals, 4 Pole.				
528-461	70-461-1	14 Pin Screw terminals, DIN Mount, 2 Pole.				

TYPE 821 TIME DELAY AND TYPE 831 VOLTAGE SENSING RELAYS

Features for Type 821:

- SPDT or DPDT
- 10 Timing Functions
- 2 Status LEDs
- Output Terminals DPDT (822 Version)
- 0.1 second to 10 days
- Clips directly to Din Rail

Features for Type 831:

- 10 Time ranges available
- Two Status LEDs
- Sense over voltage, under voltage or both
- Clips directly to 35mm Din Rail



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Timing/Voltage Range	Price Each			
						1	10	25	50
820 Series Time Delay Relays, 15A									
528-822TDR10H-UNI	822TD10H-UNI	D	DPDT	12-240VAC/VDC	0.1 Sec. to 10 Days				
831 Voltage Sensing Relays, 15A									
528-831VS-240A	831VS-240A	E	SPDT	240VAC	Upper: 16-276VAC Lower: 30-99%				

MAGNECRAFT Power Relays



CLASS 92 GENERAL PURPOSE POWER RELAY

Specifications:

- Rated at 30A Switching; NC Contacts rated at 3A
- Contact resistance: 100,000,000 @ initial rated current (switched)
- Contact material: silver alloy
- Class F insulation
- Dielectric strength: 1500Vrms
- Mechanical Life: 5,000,000
- Flange Mounting
- 1/4" Quick-Connect Terminals for simple connection



MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Flange Mount										
528-92722-12	W92S7D22D-12D	A1	DPST-NO	30A	12VDC	86				
528-92722-24	W92S7D22D-24D	A1	DPST-NO	30A	24VDC	350				
528-921122-12	W92S11D22D-12D	A1	DPDT	30A	12VDC	86				
528-921122-24	W92S11D22D-24D	A1	DPDT	30A	24VDC	350				
528-92S7A22-24	W92S7A22D-24A	A2	DPST-NO	30A	24VAC	250				
528-92722-120	W92S7A22D-120A	A3	DPST-NO	30A	120VAC	1600				
528-92S11A22-24	W92S11A22D-24A	A4	DPDT	30A	24VAC	250				
528-921122-120	W92S11A22D-120A	A4	DPDT	30A	120VAC	1600				

CLASS 9A SEALED GENERAL PURPOSE FLANGE MOUNT POWER RELAYS

Specifications:

- Rated at 30A; NC Contacts rated at 15A
- Contact resistance: 75mΩ @ 1A rated current
- Contact material: silver alloy
- Class F insulation
- Dielectric strength: 2500Vrms
- Mechanical Life: 10,000,000
- Flange Mounting
- 1/4" Quick-Connect Terminals for simple connection



MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-9152-5	W9AS1D52-5	B5	SPST-NO	30A	5VDC	25				
528-9152-12	W9AS1D52-12	B5	SPST-NO	30A	12VDC	144				
528-9152-24	W9AS1D52-24	B5	SPST-NO	30A	24VDC	576				
528-9552-5	W9AS5D52-5	B6	SPDT	20A	5VDC	25				
528-9552-12	W9AS5D52-12	B6	SPDT	20A	12VDC	144				
Accessory										
528-16-9ADIN1	16-9ADIN-1	C	Description							
			Optional DIN Adapter							

CLASS 199 HEAVY DUTY POWER RELAYS

Specifications:

- Contact resistance: 50mΩ initially
- Coil power: 2.0 watts DC, 10VA (60Hz) AC @ 25°C
- Panel mount, open style construction
- Contact material: Silver cadmium oxide, gold flashed
- Class 816 insulation
- Combination screw terminals
- Dielectric strength: 1500Vrms



MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-199X-12	199X-12	D	DPDT	40A	12VDC	70				
528-199AX-8	199AX-8	E	DPST-NO	40A	24VAC	12				
528-199AX-9	199AX-9	E	DPST-NO	40A	120VAC	290				
Metal Enclosure										
528-50-1289-1	50-1289-1	F	Description							
			Designed for use with the 199 style relays. The box uses four, 1/2" knock outs for standard electrical connector. Cover hold down hardware is included.							

CLASS 782 GENERAL PURPOSE POWER RELAYS (FULL-FEATURED)

Specifications:

- Coil power: 0.9 watts DC, 1.2VA (60Hz) AC @ 25°C
- Contact material: 3 amps bifurcated - silver gold plated 3 amps - silver gold flashed
- 10 and 15 amps - silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500Vrms

Features:

- Lockdown door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status of either manual or powered
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:

- Ideal in low light conditions
- Ideal to test control circuits



MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-In										
528-782X4-12D	782XBXM4L-12D	G7	DPDT	15A	12VDC	160				
528-782X4-24D	782XBXM4L-24D	G7	DPDT	15A	24VDC	650				
528-782X4-110D	782XBXM4L-110D	G7	DPDT	15A	110VDC	11000				
528-782X24-12D	782XD2M4L-12D	G8	4PDT	10A	12VDC	160				
528-782X24-24D	782XD2M4L-24D	G8	4PDT	10A	24VDC	650				
528-782X24-110D	782XD2M4L-110D	G8	4PDT	10A	110VDC	11000				
528-782X4-24A	782XBXM4L-24A	G7	DPDT	15A	24VAC	180				
528-782X4-120A	782XBXM4L-120A	G7	DPDT	15A	120VAC	4430				
528-782X24-24A	782XD2M4L-24A	G8	4PDT	10A	24VAC	180				
528-782X24-120A	782XD2M4L-120A	G8	4PDT	10A	120VAC	4430				
Q.C. Solder/Plug-In										
528-782X14-12D	782XD1M4L-12D	G8	4PDT	3A	12VDC	160				
528-782X14-24D	782XD1M4L-24D	G8	4PDT	3A	24VDC	650				
528-782X14-120A	782XD1M4L-120A	G8	4PDT	3A	120VAC	4430				
Solder/Plug-In, Bifurcated										
528-782X34-12D	782XD3M4L-12D	G8	4PDT	3A	12VDC	160				
528-782X34-24D	782XD3M4L-24D	G8	4PDT	3A	24VDC	650				
528-782X34-24A	782XD3M4L-24A	G8	4PDT	3A	24VAC	180				

HARDWARE FOR CLASS 782 RELAYS

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Use with Relay Series	Price Each			
					1	10	25	50
Finger Safe-Sockets with Screw Clamp Terminals								
528-70-782D8-1A	70-782D8-1A	H	8 Pin DIN/Panel Mount	782, with 0.187 Terminal				
528-70-782D14-1	70-782D14-1	B	14 Pin Ice Cube Socket	782, 4 Pole (Plain and Full Featured) 782, Hermetic Only				
Finger Safe-Sockets with Eurostyle (Elevator) Terminals								
528-70-782EL8-1	70-782EL8-1	-	DIN Rail Socket	782, 2 Pole (All)				
Classic Sockets with Screw Clamp Terminals								
528-459	70-459-1	-	8 Pin Screw Terminals	782, with 0.187 Terminal				
528-461	70-461-1	-	14 Pin Screw Terminals	782 (All and Hermetic)				
Chassis Mount Sockets with Solder Terminals								
528-3781	70-378-1	-	14 Pin Solder Terminals	782 (All and Hermetic); 782C, Hermetic Only				
Chassis Mount Sockets with 0.187" Quick Connect Terminals								
528-401	70-401-1	-	8 Pin Solder Terminals	782, with 0.187 Terminal				
Printed Circuit Sockets with Thru-Hole Solder Pins								
528-3791	70-379-1	-	14 Pin PC Terminals	782, (All and Hermetic) TDR782				
528-402	70-402-1	-	8 Pin PC Terminals	782, with 0.187 Terminal				
Hold Down Clip for Class 782 Relays								
528-16-1342	16-1342	-	Hold Down Clip	782 (All)				

DIMENSIONS: mm

A

B

C

D

E

F

TERMINAL ARRANGEMENT

1

DPST-NO

2

DPST-NO

3

DPST-NO

4

DPDT

5

SPST-NO

6

SPDT

7

AC

8

AC

OMRON LY SERIES: GENERAL PURPOSE RELAYS

Specifications:

- Operate/Release time: 25/25ms
- Mechanical Life: AC 50 million operations min. (at 18,000/hr.)
DC 1 billion operations min. (at 18,000/hr.)
- Dielectric strength: 2000VAC, 50/60Hz for 1 minute
- Insulation resistance: 100MQ min. (@ 500VDC)

Features:

- Arc barrier equipped
- Long dependable service life assured by Ag-Alloy contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Terminal Type	Mounting Type	Coil Voltage	Contact Form	Contact Rating	Dimensions "W" (mm)	Price Each					
									1	25	50	100		
Standard Type														
653-LY1-0-DC12	LY1-0-DC12	A	PCB	Standard	12VDC	SPDT	15A	21.59						
653-LY1-0-DC24	LY1-0-DC24	A	PCB	Standard	24VDC	SPDT	15A	21.59						
653-LY1-0-AC1	LY1-0-AC110/120	A	PCB	Standard	110/120VAC	SPDT	15A	21.59						
653-LY2-0-DC12	LY2-0-DC12	A	PCB	Standard	12VDC	DPDT	10A	21.59						
653-LY2-0-DC24	LY2-0-DC24	A	PCB	Standard	24VDC	DPDT	10A	21.59						
653-LY2-0-DC48	LY2-0-DC48	A	PCB	Standard	48VDC	DPDT	10A	21.59						
653-LY2-0-DC100/110	LY2-0-DC 100 110	A	PCB	Standard	100/110VDC	DPDT	10A	21.59						
653-LY2-0-AC24	LY2-0-AC24	A	PCB	Standard	24VAC	DPDT	10A	21.59						
653-LY2-0-AC1	LY2-0-AC110/120	A	PCB	Standard	110/120VAC	DPDT	10A	21.59						
653-LY4-0-DC24	LY4-0-DC24	A	PCB	Standard	24VDC	4PDT	10A	41.40						
653-LY4-0-AC120	LY4-0-AC120	A	PCB	Standard	120VAC	4PDT	10A	21.59						
653-LY1-DC12	LY1-DC12	A	Plug-in/Solder	Standard	12VDC	SPDT	15A	21.59						
653-LY1-DC24	LY1-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59						
653-LY1-AC24	LY1-AC24	A	Plug-in/Solder	Standard	24VAC	SPDT	15A	21.59						
653-LY1-AC1	LY1-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15A	21.59						
653-LY2-DC12	LY2-DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10A	21.59						
653-LY2-DC24	LY2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59						
653-LY2-DC48	LY2-DC48	A	Plug-in/Solder	Standard	48VDC	DPDT	10A	21.59						
653-LY2-DC100/110	LY2-DC100/110	A	Plug-in/Solder	Standard	100/110VDC	DPDT	10A	21.59						
653-LY2-AC12	LY2-AC12	A	Plug-in/Solder	Standard	12VAC	DPDT	10A	21.59						
653-LY2-AC24	LY2-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59						
653-LY2-AC100/110	LY2-AC100/110	A	Plug-in/Solder	Standard	100/110VAC	DPDT	10A	21.59						
653-LY2-AC1	LY2-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59						
653-LY2-AC220/240	LY2-AC220/240	A	Plug-in/Solder	Standard	220/240VAC	DPDT	10A	21.59						
653-LY3-DC12	LY3-DC12	A	Plug-in/Solder	Standard	12VDC	3PDT	10A	31.49						
653-LY3-DC24	LY3-DC24	A	Plug-in/Solder	Standard	24VDC	3PDT	10A	31.49						
653-LY3-AC24	LY3-AC24	A	Plug-in/Solder	Standard	24VAC	3PDT	10A	31.49						
653-LY3-AC1	LY3-AC120	A	Plug-in/Solder	Standard	120VAC	3PDT	10A	31.49						
653-LY3-AC240	LY3-AC240	A	Plug-in/Solder	Standard	240VAC	3PDT	10A	31.49						
653-LY4-DC12	LY4-DC12	A	Plug-in/Solder	Standard	12VDC	4PDT	10A	41.40						
653-LY4-DC24	LY4-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40						
653-LY4-DC48	LY4-DC48	A	Plug-in/Solder	Standard	48VDC	4PDT	10A	41.40						
653-LY4-AC24	LY4-AC24	A	Plug-in/Solder	Standard	24VAC	4PDT	10A	41.40						
653-LY4-AC1	LY4-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.40						
653-LY4-AC240	LY4-AC240	A	Plug-in/Solder	Standard	240VAC	4PDT	10A	41.40						
653-LY1F-DC12	LY1F-DC12	B	Plug-in/Solder	Upper	12VDC	SPDT	15A	22.60						
653-LY1F-DC24	LY1F-DC24	B	Plug-in/Solder	Upper	24VDC	SPDT	15A	22.60						
653-LY1F-AC12	LY1F-AC12	B	Plug-in/Solder	Upper	12VAC	SPDT	15A	22.60						
653-LY1F-AC24	LY1F-AC24	B	Plug-in/Solder	Upper	24VAC	SPDT	15A	22.60						
653-LY1F-AC1	LY1F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	SPDT	15A	22.60						
653-LY1F-AC220/240	LY1F-AC220/240	B	Plug-in/Solder	Upper	220/240VAC	SPDT	15A	22.60						
653-LY2F-DC12	LY2F-DC12	B	Plug-in/Solder	Upper	12VDC	DPDT	10A	22.60						
653-LY2F-DC24	LY2F-DC24	B	Plug-in/Solder	Upper	24VDC	DPDT	10A	22.60						
653-LY2F-AC24	LY2F-AC24	B	Plug-in/Solder	Upper	24VAC	DPDT	10A	22.60						
653-LY2F-AC1	LY2F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	DPDT	10A	22.60						
653-LY2F-AC220-240	LY2F-AC220-240	B	Plug-in/Solder	Upper	220/240VAC	DPDT	10A	22.60						
653-LY3F-DC12	LY3F-DC12	B	Plug-in/Solder	Upper	12VDC	3PDT	10A	32.00						
653-LY3F-DC24	LY3F-DC24	B	Plug-in/Solder	Upper	24VDC	3PDT	10A	32.00						
653-LY3F-AC24	LY3F-AC24	B	Plug-in/Solder	Upper	24VAC	3PDT	10A	32.00						
653-LY3F-AC1	LY3F-AC120	B	Plug-in/Solder	Upper	120VAC	3PDT	10A	32.00						
653-LY4F-DC12	LY4F-DC12	B	Plug-in/Solder	Upper	12VDC	4PDT	10A	41.40						
653-LY4F-DC24	LY4F-DC24	B	Plug-in/Solder	Upper	24VDC	4PDT	10A	41.40						
653-LY4F-AC1	LY4F-AC120	B	Plug-in/Solder	Upper	120VAC	4PDT	10A	41.40						
LED Indicator Type														
653-LY1N-DC24	LY1N-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59						
653-LY1N-AC110/120	LY1N-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15A	21.59						
653-LY2NDC12	LY2N DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10A	21.59						
653-LY2N-DC24	LY2N-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59						
653-LY2N-AC24	LY2N-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59						
653-LY2N-AC110-120	LY2N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59						
653-LY2N-AC200/220	LY2N-AC200/220	A	Plug-in/Solder	Standard	200/220VAC	DPDT	10A	21.59						
653-LY2N-AC220-240	LY2N-AC220-240	A	Plug-in/Solder	Standard	220/240VAC	DPDT	10A	21.59						
653-LY4N-DC24	LY4N-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40						
653-LY4N-AC110-120	LY4N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	4PDT	10A	41.40						
653-LY4N-AC120	LY4N-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.40						
LED Indicator and Diode Surge Suppression Type														
653-LY1N-D2DC24	LY1N-D2 DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59						
653-LY2N-D2-DC24	LY2N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59						
653-LY4N-D2-DC24	LY4N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40						
LED Indicator and Push-To-Test Button Type														
653-LY2I4NAC24	LY2I4N AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59						

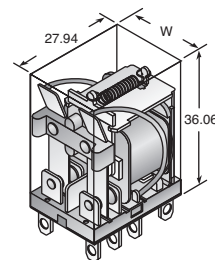
Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PT08	PT08	Back connecting socket for SPDT and DPDT, solder				
653-PT08-0	PT08-0	PC terminal socket for SPDT and DPDT, PCB				
653-PT14-0	PT14-0	PC terminal socket for 4PDT, PCB				
653-PTF08A-E	PTF08A-E	Track mounted socket for SPDT and DPDT				
653-PTF11A	PTF11A	Track mounted socket for 3PDT				
653-PTF14A-E	PTF14A-E	Track mounted socket for 4PDT				
653-PYC-P	PYC-P	Hold-down clip for back connecting socket				
653-PFP-M	PFP-M	DIN rail end stop plate				
653-PFP-S	PFP-S	Spacer				
653-PFP-50N	PFP-50N	DIN rail 50cm (19.5")				
653-PFP-100N	PFP-100N	DIN rail 100cm (39")				

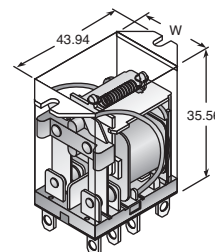
DIMENSIONS: mm

A



Shown with plug-in/solder terminals

B



OMRON General Purpose Relays



OMRON MK SERIES: OCTAL BASE GENERAL PURPOSE RELAYS

Specifications:

- Operate/Release time: 20/20ms (AC); 30/20ms (DC)
- Terminals: Plug-in
- Contact resistance: 50mΩ max.
- Insulation resistance: 1000MΩ min. @ 500VDC

Features:

- Exceptionally reliable general purpose relay
- Mechanical indicator and push-to-test button
- Silver contacts
- Long life (minimum 100,000 electrical operations)
- Built-in operation indicator (mechanical, LED), diode surge suppression, varistor surge suppression



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
				@50Hz	@60Hz			1	25	50	100
Mechanical Indicator											
653-MKS2PDC12	MKS2P DC12	A	DPDT	112.0	112.0	107.0	12VDC				
653-MKS2PDC24	MKS2P DC24	A	DPDT	55.8	55.8	430.0	24VDC				
653-MKS2PAC120	MKS2P AC120	A	DPDT	22.2	19.3	1130.0	120VAC				
653-MKS3P-5AC120	MKS3P-5 AC120	A	3PDT	22.2	19.3	1130.0	120VAC				
Mechanical and LED Indicator											
653-MKS2PNDC24	MKS2PN DC24	A	DPDT	55.8	55.8	430.0	24VDC				
653-MKS2PNAC120	MKS2PN AC120	A	DPDT	22.2	19.3	1130.0	120VAC				
Mechanical Indicator and Lockable Test Button											
653-MKS2PIDC12	MKS2PI DC12	B	DPDT	112.0	112.0	107.0	12VDC				
653-MKS2PIDC24	MKS2PI DC24	B	DPDT	55.8	55.8	430.0	24VDC				
653-MKS2PIDC48	MKS2PI DC48	B	DPDT	28.1	28.1	1710.0	48VDC				
653-MKS2PIDC110	MKS2PI DC110	B	DPDT	13.5	13.5	7390.0	110VDC				
653-MKS2PIAC12	MKS2PI AC12	B	DPDT	221.0	193.0	13.7	12VAC				
653-MKS2PIAC24	MKS2PI AC24	B	DPDT	110.0	96.3	48.4	24VAC				
653-MKS2PIAC110	MKS2PI AC110	B	DPDT	24.2	21.0	932.0	110VAC				
653-MKS2PIAC120	MKS2PI AC120	B	DPDT	22.2	19.3	1130.0	120VAC				
653-MKS2PIAC240	MKS2PI AC240	B	DPDT	11.0	9.6	4480.0	240VAC				
653-MKS3PI-5DC12	MKS3PI-5 DC12	B	3PDT	112.0	112.0	107.0	12VDC				
653-MKS3PI-5DC24	MKS3PI-5 DC24	B	3PDT	55.8	55.8	430.0	24VDC				
653-MKS3PI-5AC24	MKS3PI-5 AC24	B	3PDT	110.0	96.3	48.4	24VAC				
653-MKS3PI-5AC120	MKS3PI-5 AC120	B	3PDT	22.2	19.3	1130.0	120VAC				
653-MKS3PI-5AC240	MKS3PI-5 AC240	B	3PDT	11.0	9.6	4480.0	240VAC				
Mechanical and LED Indicator and Lockable Test Button											
653-MKS2PINDC12	MKS2PIN DC12	B	DPDT	112.0	112.0	107.0	12VDC				
653-MKS2PINDC24	MKS2PIN DC24	B	DPDT	55.8	55.8	430.0	24VDC				
653-MKS2PINAC24	MKS2PIN AC24	B	DPDT	110.0	96.3	48.4	24VAC				
653-MKS2PINAC120	MKS2PIN AC120	B	DPDT	22.2	19.3	1130.0	120VAC				
653-MKS2PINAC240	MKS2PIN AC240	B	DPDT	11.0	9.6	4480.0	240VAC				
653-MKS3PIN-5DC24	MKS3PIN-5 DC24	B	3PDT	55.8	55.8	430.0	24VDC				
653-MKS3PIN-5AC120	MKS3PIN-5 AC120	B	3PDT	22.2	19.3	1130.0	120VAC				

Accessories for MK Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PTF11QDC	PTF11QDC	11-pin QC terminal, screw mount				
653-PF083A-E	PF083A-E	8-pin octal for DPDT, track mount				
653-PF113A-E	PF113A-E	11-pin octal for 3PDT, track mount				
653-PFP-M	PFP-M	DIN rail end stop plate				
653-PFP-S	PFP-S	Spacer				
653-PFP-50N	PFP-50N	DIN rail 50cm (19.5")				
653-PFP-100N	PFP-100N	DIN rail 100cm (39")				

OMRON MKS-X SERIES: GENERAL PURPOSE LOAD SWITCHING POWER RELAYS

Specifications:

- Operate/Release time: 20ms max.
- Contact resistance: 100mΩ max.
- Insulation resistance: 100MΩ min.
- Contact material: AgSnIn

Features:

- Models for DC loads can switch 220VDC, 10A (resistive)
- Models for AC loads can switch 250VAC, 15A (resistive)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
				@ 50 Hz	@ 60 Hz			1	25	50	100
Standard											
653-MKS1XT-10DC12	MKS1XT-10 DC12	C	SPST-NO	126.0	126.0	95.0	12VDC				
653-MKS1XT-10DC24	MKS1XT-10 DC24	C	SPST-NO	63.2	63.2	380.0	24VDC				
653-MKS1XT-10AC24	MKS1XT-10 AC24	C	SPST-NO	110.0	96.3	48.4	24VAC				
653-MKS1XT-10AC120	MKS1XT-10 AC120	C	SPST-NO	22.2	19.3	1130.0	120VAC				
653-MKS2XT-11DC24	MKS2XT-11 DC24	C	SPST-NO/SPST-NC	63.2	63.2	380.0	24VDC				
Built-in Operation Indicator											
653-MKS1XTN-10DC24	MKS1XTN-10 DC24	C	SPST-NO	63.2	63.2	380.0	24VDC				
653-MKS1XTN-10AC120	MKS1XTN-10 AC120	C	SPST-NO	22.2	19.3	1130.0	120VAC				
653-MKS2XTN-11DC24	MKS2XTN-11 DC24	C	SPST-NO/SPST-NC	63.2	63.2	380.0	24VDC				
653-MKS2XTN-11AC120	MKS2XTN-11 AC120	C	SPST-NO/SPST-NC	22.2	19.3	1130.0	120VAC				
Test Button											
653-MKS1XTI-10DC24	MKS1XTI-10 DC24	D	SPST-NO	63.2	63.2	380.0	24VDC				
653-MKS2XTI-11DC24	MKS2XTI-11 DC24	D	SPST-NO/SPST-NC	63.2	63.2	380.0	24VDC				
Test Button and Built-in Operation Indicator											
653-MKS1XTIN-10AC120	MKS1XTIN-10 AC120	D	SPST-NO	22.2	19.3	1130.0	120VAC				
653-MKS2XTIN-11DC24	MKS2XTIN-11 DC24	D	SPST-NO/SPST-NC	63.2	63.2	380.0	24VDC				
653-MKS2XTIN-11AC120	MKS2XTIN-11 AC120	D	SPST-NO/SPST-NC	22.2	19.3	1130.0	120VAC				

Accessories for MKS-X Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-P7M-06P	P7M-06P	PCB mount, back-connecting socket without built-in diode				
653-P7MF-06	P7MF-06	DIN track or panel mount, front-connecting socket without built-in diode				
653-P7MF-06-D	P7MF-06-D	DIN track or panel mount, front-connecting socket with built-in diode				
653-PYC-A2	PYC-A2	Hold-down clip				

DIMENSIONS: mm

A

B

Image includes relay and socket. Socket is ordered separately.

Terminal Arrangement (Bottom View)

MKS2P(I)

MKS3P(I)-5

MKS2P(I)N

MKS3P(I)N-5

C

D

Terminal Arrangement (Bottom View)

MKS1XT-10

MKS2XT-11

AC Specification
MKS1XTN-10
MKS1XTN-10

DC Specification
MKS1XTN-10

AC Specification
MKS2XTN-11
MKS2XTN-11

DC Specification
MKS2XTN-11
MKS2XTN-11

OMRON General Purpose Relays



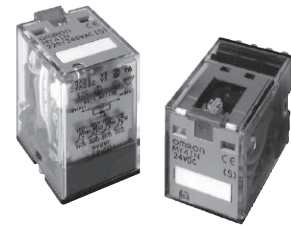
OMRON MY SERIES: GENERAL PURPOSE, MINIATURE POWER RELAYS

Specifications:

- Operating frequency:
 - Mechanical: 18,000 operations/hr.
 - Electrical: 1,800 operations/hr. (under rated load)
- Insulation resistance: 1000MΩ min. (@ 500VDC)
- Operate/release time: 20ms. max.
- Power Consumption:
 - AC < 50V: 1.0 - 1.2VA (60Hz)
 - AC > 50V: 0.9 - 1.1VA (60Hz)
 - DC: 0.9W
- Terminals: Plug-in socket/solder

Features:

- Versatile, multi-featured, miniature power relay for sequence control and power switching applications
- Maximum switching current: 10A 2-Pole, 5A 4-Pole
- Provided with nameplate



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Form	Coil Resistance (Ω)	Coil Voltage	Rated Current (mA)		Price Each			
					50Hz	60Hz	1	25	50	100
Without LED Indicator, Standard Coil Polarity										
653-MY2-AC24	MY2-AC24(S)	DPDT	180.0	24VAC	53.8	46.0				
653-MY2-AC1	MY2-AC110/120(S)	DPDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY2AC220240S	MY2 AC220/240 (S)	DPDT	18790.0	220/240VAC	4.8/5.3	4.2/4.6				
653-MY2-DC12	MY2-DC12(S)	DPDT	160.0	12VDC	75.0	75.0				
653-MY2-DC24	MY2-DC24(S)	DPDT	636.0	24VDC	37.7	37.7				
* 653-MY2-02DC24	MY2-02 DC24	DPDT	650.0	24VDC	36.9	36.9				
653-MY4DC48(S)	MY4 DC48 (S)	4PDT	2560.0	48VDC	18.8	18.8				
653-MY4DC100110S	MY4 DC100/110 (S)	4PDT	11100.0	110/120VDC	9.0/9.9	9.0/9.9				
* 653-MY4-02-AC110-120	MY4-02-AC110-120	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
* 653-MY4-02DC6	MY4-02 DC6	4PDT	39.8	6VDC	151.0	151.0				
* 653-MY4-02-DC12	MY4-02-DC12	4PDT	160.0	12VDC	75.0	75.0				
* 653-MY4-02DC24	MY4-02 DC24	4PDT	636.0	24VDC	37.7	37.7				
* 653-MY4-02-DC48	MY4-02-DC48	4PDT	2560.0	48VDC	18.8	18.8				
653-MY4AC12(S)	MY4 AC12 (S)	4PDT	46.0	12VAC	106.5	91.0				
653-MY4-AC24	MY4-AC24(S)	4PDT	180.0	24VAC	53.8	46.0				
653-MY4-AC1	MY4-AC110/120(S)	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY4-AC220-240S	MY4-AC220-240S	4PDT	18790.0	220/240VAC	4.8/5.3	4.2/4.6				
653-MY4DC6S	MY4-DC6(S)	4PDT	39.8	6VDC	151.0	151.0				
653-MY4-DC12	MY4-DC12(S)	4PDT	160.0	12VDC	75.0	75.0				
653-MY4-DC24	MY4-DC24(S)	4PDT	636.0	24VDC	37.7	37.7				
653-MY4H-USDC24	MY4H-US DC24	4PDT	636.0	24VDC	37.7	37.7				
653-MY4Z-DC24S	MY4Z-DC24(S)	4PDT (bifurcated)	636.0	24VDC	37.7	37.7				
653-MY4ZAC24S	MY4Z AC24 (S)	4PDT (bifurcated)	180.0	24VAC	53.8	46.0				
With LED Indicator, Standard Coil Polarity										
653-MY2N-AC24S	MY2N-AC24(S)	DPDT	180.0	24VAC	53.8	46.0				
653-MY2N-AC1S	MY2N-AC110/120(S)	DPDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY2N-AC220/240S	MY2N-AC220/240(S)	DPDT	18790.0	220/240VAC	4.8/5.3	4.2/4.6				
653-MY2N-DC12(S)	MY2N-DC12(S)	DPDT	160.0	12VDC	75.0	75.0				
653-MY2N-DC24S	MY2N-DC24(S)	DPDT	636.0	24VDC	37.7	37.7				
653-MY4N-AC24S	MY4N-AC24(S)	4PDT	180.0	24VAC	53.8	46.0				
653-MY4N-AC110/120S	MY4N-AC110/120S	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY4NAC220240S	MY4N AC220/240 (S)	4PDT	18790.0	220/240VAC	4.8/5.3	4.2/4.6				
653-MY4N-DC12(S)	MY4N-DC12(S)	4PDT	160.0	12VDC	75.0	75.0				
653-MY4N-DC24S	MY4N-DC24(S)	4PDT	636.0	24VDC	37.7	37.7				
653-MY4ZN-AC1S	MY4ZN-AC110/120(S)	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY4ZNC12S	MY4ZN DC12 (S)	4PDT	160.0	12VDC	75.0	75.0				
653-MY4ZN-DC24S	MY4ZN-DC24(S)	4PDT	636.0	24VDC	37.7	37.7				
With LED Indicator and Built-In Diode, Standard Coil Polarity										
653-MY2N-D2-DC24S	MY2N-D2-DC24S	DPDT	636.0	24VDC	37.7	37.7				
653-MY4N-D2-DC24S	MY4N-D2-DC24S	4PDT	636.0	24VDC	37.7	37.7				
653-MY4ZN-D2DC24S	MY4ZN-D2 DC24 (S)	4PDT (bifurcated)	636.0	24VDC	37.7	37.7				
With LED Indicator and Built-In Capacitor Resistor, Standard Coil Polarity										
653-MY2N-CRAC110120S	MY2N-CR AC110/120 (S)	DPDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY4N-CRAC110120S	MY4N-CR AC110/120 (S)	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
With LED Indicator and Lockable Test Button, Reverse Coil Polarity										
653-MY2INAC24S	MY2IN AC24 (S)	DPDT	180.0	24VAC	53.8	46.0				
653-MY2INDC12(S)	MY2IN DC12 (S)	DPDT	160.0	12VDC	75.0	75.0				
653-MY2INDC24S	MY2IN DC24 (S)	DPDT	636.0	24VDC	37.7	37.7				
653-MY4IN-AC24	MY4IN-AC24(S)	4PDT	180.0	24VAC	53.8	46.0				
653-MY4INAC110120S	MY4IN AC110/120 (S)	4PDT	4430.0	110/120VAC	9.9/10.8	8.4/9.2				
653-MY4INAC220240S	MY4IN AC220/240 (S)	4PDT	18790.0	220/240VAC	4.8/5.3	4.2/4.6				
653-MY4INDC12S	MY4IN DC12 (S)	4PDT	160.0	12VDC	75.0	75.0				
653-MY4IN-DC24(S)	MY4IN-DC24(S)	4PDT	636.0	24VDC	37.7	37.7				

* PBC Terminals

Accessories for MY

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PFP-100N	PFP-100N	DIN rail 100cm (39")				
653-PFP-50N	PFP-50N	DIN rail 50cm (19.7")				
653-PFP-M	PFP-M	DIN rail end stop plate				
653-PFP-S	PFP-S	DIN rail spacer				
653-PY08	PY08	Back connect socket for DPDT, solder terminals				
653-PY08-02	PY08-02	Back connect socket for DPDT, PCB terminals				
653-PY14	PY14	Back connect socket for 4PDT, solder terminals without hold-down clip				
653-PY14-02	PY14-02	Back connect socket for 4PDT, PCB terminals without hold-down clip				
653-PYC-A1	PYC-A1	Hold-down clip for track mounted socket DPDT				
653-PYC-P	PYC-P	Hold-down clip for back connect socket				
653-PYC-P2	PYC-P2	Push-to-test hold-down clip for back connect socket				
653-PYF08A-E	PYF08A-E	Track mounted socket for DPDT				
653-PYF14A-E	PYF14A-E	Front connect socket w/screw terminals without hold-down clip and track mounted for 4PDT				
653-Y92H-3	Y92-H3	Hold-down clip for track mounted socket and RC circuit				

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

© Copyright 2014 Mouser Electronics

OMRON MJN SERIES: SQUARE-BASE GENERAL PURPOSE RELAYS

Specifications:

- Contact resistance: 50mΩ max.
- Plug-in terminals
- Power consumption: AC DPDT - 1.7VA, 3PDT-2.0VA; DC-1.2W

Features:

- Rugged power driver offers superior 3/16" through-air and 3/8" over-surface spacing
- Interlocked frame and contact block prevent contact misalignment during plug-in
- Available with dust covers, indicator lamps and push-to-operate buttons

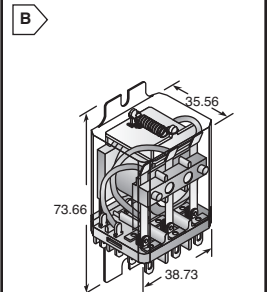
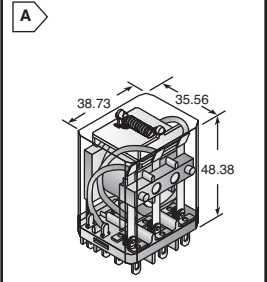


*Socket not required for 20A models; they are flange mounted and do not require terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each			
						1	25	50	100
Standard Mount									
653-MJN2C-DC12	MJN2C-DC12	A	DPDT	12VDC	10A				
653-MJN2C-DC24	MJN2C-DC24	A	DPDT	24VDC	10A				
653-MJN3C-DC12	MJN3C-DC12	A	3PDT	12VDC	10A				
653-MJN3C-DC24	MJN3C-DC24	A	3PDT	24VDC	10A				
653-MJN3C-AC12	MJN3C-AC12	A	3PDT	12VAC	10A				
653-MJN3C-AC1	MJN3C-AC120	A	3PDT	120VAC	10A				
Flange Mount									
653-MJN1CF-DC12	MJN1CF-DC12	B	SPDT	12VDC	10A				
653-MJN2CF-DC12	MJN2CF-DC12	B	DPDT	12VDC	10A				
* 653-MJN2CF-AC1	MJN2CF-AC120	B	DPDT	120VAC	10A				
* 653-MJN2CE-DC12	MJN2CE-DC12	B	DPDT	12VDC	20A				
653-MJN2CE-DC24	MJN2CE-DC24	B	DPDT	24VDC	20A				
653-MJN2CE-AC1	MJN2CE-AC120	B	DPDT	120VAC	20A				
Sockets for MJN Series									
653-PTFFPCB	PTFFPCB	Description							
653-PTF11QDC	PTF11QDC	11-pin PCB terminal, screw mount							
653-PTF21PC	PTF21PC	11-pin QC terminal, screw mount							
653-PTF11PC	PTF11PC	11-pin screw terminal, DIN mount							
653-PFP-M	PFP-M	DIN rail end stop plate							
653-PFP-100N	PFP-100N	DIN rail 100cm (39")							

DIMENSIONS: mm



OMRON G7L SERIES: HIGH-CAPACITY GENERAL PURPOSE RELAYS

Specifications:

- Contact rating: Single-pole type 30A @ 220VAC
Double-pole type 25A @ 220VAC
- Power consumption: AC coil 1.70-2.50VAC/DC coil 1.90W
- Contact material: Ag Alloy
- Impulse withstand voltage: 10,000V between coil and contacts
- Conforms to IEC 950
- Class B insulation
- E-Bracket type requires E-Bracket or socket to mount.

Features:

- Ideally suited for high-inrush fluid pump controls: pool/spa, water processing, emergency, chemical industry, etc.
- High-capacity, high-withstand voltage relay with no contact chattering for momentary voltage drops up to 50% of rated voltage.
- Wide-range AC-activated coil that handles 100-120VAC at either 50 or 60Hz
- Miniature hinge for maximum switching capacity, particularly for inductive loads



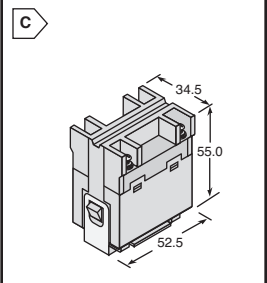
RoHS Compliant



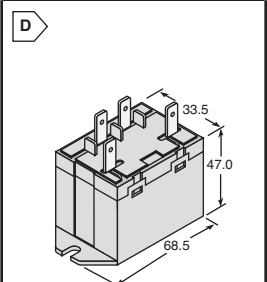
* E-Bracket R99-07G5D sold separately

For quantities greater than listed, call for quote.

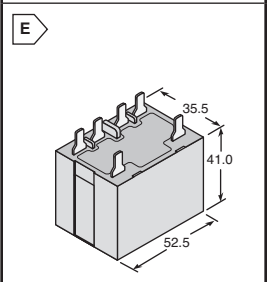
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Terminal Type	Price Each			
						1	25	50	100
*E-Bracket Type									
653-G7L-2A-B-CB-DC12	G7L-2A-B-CB-DC12	C	DPST-NO	12VDC	Screw terminals				
653-G7L-1ATCB-AC1	G7L-1A-TCB-AC100/120	C	SPST-NO	100/120VAC	.250" Quick connect				
653-G7L-1A-T-CB-DC48	G7L-1A-T-CB-DC48	C	SPST-NO	48VDC	.250" Quick connect				
*E-Bracket Type with Test Button									
653-G7L-1A-BJ-DC24	G7L-1A-BJ-CB-DC24	C	SPST-NO	24VDC	Screw terminals				
653-G7L-1A-TJ-DC24	G7L-1A-TJ-CB-DC24	C	SPST-NO	24VDC	.250" Quick connect				
653-G7L-2A-BJ-DC24	G7L-2A-BJ-CB-DC24	C	DPST-NO	24VDC	Screw terminals				
653-G7L2ATJCBAC24	G7L-2A-T-J-CB-AC24	C	DPST-NO	24VAC	.250" Quick connect				
653-G7L-2A-TJ-AC2	G7L-2A-TJ-CB-AC200/240	C	DPST-NO	200/240VAC	.250" Quick connect				
653-G7L-2A-TJ-DC24	G7L-2A-TJ-CB-DC24	C	DPST-NO	24VDC	.250" Quick connect				
Upper Bracket									
653-G7L-1A-BUBCBAC24	G7L-1A-BUB-CB AC24	D	SPST-NO	24VAC	Screw terminals				
653-G7L-1A-AC100/120	G7L-1A-TUB-CB-AC100/120	D	SPST-NO	100/120VAC	.250" Quick connect				
653-G7L-2ABUBCBAC24	G7L-2A-BUB-CB-AC24	D	DPST-NO	24VAC	Screw terminals				
653-G7L-2A-TUBCBAC24	G7L-2A-TUB-CB-AC24	D	DPST-NO	24VAC	.250" Quick connect				
653-G7L-2AT-AC1	G7L-2A-TUB-CB-AC100/120	D	DPST-NO	100/120VAC	.250" Quick connect				
653-G7L2ATUBCBAC200	G7L-2A-TUB-CB-AC200/240	D	DPST-NO	200/240VAC	.250" Quick connect				
653-G7L-2AT-DC24	G7L-2A-TUB-CB-DC24	D	DPST-NO	24VDC	.250" Quick connect				
Upper Bracket with Test Button									
653-G7L-1ABUBJCBAC24	G7L-1A-BUBJ-CB AC24	D	SPST-NO	24VAC	Screw terminals				
653-G7L1ABUBJCBAC	G7L-1A-BUBJ-CB AC100/120	D	SPST-NO	100/120VAC	Screw terminals				
653-G7L1ABUBJCB200	G7L-1A-BUB-J-CB-AC200/240	D	SPST-NO	200/240VAC	Screw terminals				
653-G7L-1A-BUB-JDC12	G7L-1A-BUBJ-CB-DC12	D	SPST-NO	12VDC	Screw terminals				
653-G7L-1A-AC24	G7L-1A-TUBJ-CB-AC24	D	SPST-NO	24VAC	.250" Quick connect				
653-G7L-1A-AC1	G7L-1A-TUBJ-CB-AC100/120	D	SPST-NO	100/120VAC	.250" Quick connect				
653-G7L-1A-AC2	G7L-1A-TUBJ-CB-AC200/240	D	SPST-NO	200/240VAC	.250" Quick connect				
653-G7L-1ATUBJCBDC12	G7L-1A-TUBJ-CB-DC12	D	SPST-NO	12VDC	.250" Quick connect				
653-G7L-1A-DC24	G7L-1A-TUBJ-CB-DC24	D	SPST-NO	24VDC	.250" Quick connect				
653-G7L-2AB-AC24	G7L-2A-BUBJ-CB-AC24	D	DPST-NO	24VAC	Screw terminals				
653-G7L-2AB-AC1	G7L-2A-BUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	Screw terminals				
653-G7L-2AB-AC2	G7L-2A-BUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	Screw terminals				
653-G7L-2AB-DC12	G7L-2A-BUBJ-CB-DC12	D	DPST-NO	12VDC	Screw terminals				
653-G7L-2AB-DC24	G7L-2A-BUBJ-CB-DC24	D	DPST-NO	24VDC	Screw terminals				
653-G7L-2A-AC24	G7L-2A-TUBJ-CB-AC24	D	DPST-NO	24VAC	.250" Quick connect				
653-G7L-2A-AC1	G7L-2A-TUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	.250" Quick connect				
653-G7L-2A-AC2	G7L-2A-TUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	.250" Quick connect				
653-G7L-2AJ-DC12	G7L-2A-TUBJ-CB-DC12	D	DPST-NO	12VDC	.250" Quick connect				
653-G7L-2A-DC24	G7L-2A-TUBJ-CB-DC24	D	DPST-NO	24VDC	.250" Quick connect				
653-G7L2ATUBJCBDC48	G7L-2A-TUBJ-J-CB-DC48	D	DPST-NO	48VDC	.250" Quick connect				
PCB Mount									
653-G7L-2A-PCB-DC12	G7L-2A-P-CB-DC12	E	DPST-NO	12VDC	PCB terminals				
653-G7L2APCBDC24	G7L-2A-P-CB-DC24	E	DPST-NO	24VDC	PCB terminals				
Accessories									
653-R99-07G5D	R99-07G5D	Description							
653-P7LF-C	P7LF-C	E-Bracket for G7L-1A(2A)-TJ, -BJ							
653-P7LF-06	P7LF-06	Cover for QC terminal type							
		Front connecting socket for QC terminal (includes P7LF-C)							



Shown with E-Bracket Attached



QC Type Shown



Omron General Purpose Relays

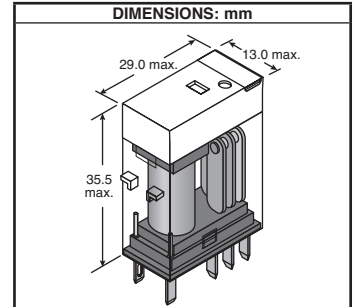
OMRON G2RS SERIES: SLIM, POWER PLUG-IN RELAYS

Specifications:

- Contact rating: SPDT 10A @ 250VAC/30VDC
DPDT 5A @ 250VAC/30VDC
- Power consumption: AC 0.90VA @ 60Hz
DC 0.53W
- Terminals: Plug-in

Features:

- Slim and space-saving power plug-in relays
- Built-in mechanical operation indicator
- Provided with nameplate
- AC/LED type is equipped with a coil-disconnection, self-diagnostic function.
- High switching power (1-pole: 10A)



General Purpose Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-1S-DC24S	G2R-1-S-DC24S	A	SPDT	1	21.6	21.6	1,113	24VDC				
653-G2R-1-SDC48S	G2R-1-S DC48(S)	A	SPDT	1	11.4	11.4	4,220	48VDC				
653-G2R-1S-AC24S	G2R-1-S-AC24S	A	SPDT	1	43.5	37.4	253	24VAC				
653-G2R-1S-AC120S	G2R-1-S-AC120S	A	SPDT	1	8.6	7.5	7,286	120VAC				
653-G2R-1-SAC240S	G2R-1-S AC240(S)	A	SPDT	1	3.7	3.2	30,360	240VAC				
653-G2R-2-SDC6S	G2R-2-SDC6(S)	B	DPDT	2	87.0	87.0	69	6VDC				
653-G2R-2S-DC12S	G2R-2-S-DC12(S)	B	DPDT	2	43.2	43.2	278	12VDC				
653-G2R-2S-DC24S	G2R-2-S-DC24S	B	DPDT	2	21.6	21.6	1,113	24VDC				
653-G2R-2-SDC48S	G2R-2-S DC48(S)	B	DPDT	2	11.4	11.4	4,220	48VDC				
653-G2R-2S-AC24S	G2R-2-S-AC24S	B	DPDT	2	43.5	37.4	253	24VAC				
653-G2R-2S-AC120S	G2R-2-S-AC120S	B	DPDT	2	8.6	7.5	7,286	120VAC				
653-G2R-2-SAC240S	G2R-2-S AC240(S)	B	DPDT	2	3.7	3.2	30,360	240VAC				

With Diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-1-SDDC24S	G2R-1-SD DC24(S)	C	SPDT	1	21.6	21.6	1,113	24VDC				

With LED Indicator

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-1-SN-DC12S	G2R-1-SN-DC12S	D	SPDT	1	43.2	43.2	278	12VDC				
653-G2R-1-SN-DC24S	G2R-1-SN-DC24S	D	SPDT	1	21.6	21.6	1,113	24VDC				
653-G2R-1-SN-AC24S	G2R-1-SN-AC24S	E	SPDT	1	43.5	37.4	253	24VAC				
653-G2R-1-SN-AC120S	G2R-1-SN-AC120S	E	SPDT	1	8.6	7.5	7,286	120VAC				
653-G2R-2-SNDC6S	G2R-2-SN DC6(S)	F	DPDT	2	87.0	87.0	69	6VDC				
653-G2R-2-SN-DC24S	G2R-2-SN-DC24S	F	DPDT	2	21.6	21.6	1,113	24VDC				
653-G2R-2-SN-AC24S	G2R-2-SN-AC24S	G	DPDT	2	43.5	37.4	253	24VAC				
653-G2R-2-SN-AC120S	G2R-2-SN-AC120S	G	DPDT	2	8.6	7.5	7,286	120VAC				

LED Indicator with Test Button

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-1-SNIDC24S	G2R-1-SNI DC24(S)	D	SPDT	1	21.6	21.6	1,113	24VDC				
653-G2R-2-SNIDC24S	G2R-2-SNIDC24(S)	G	DPDT	2	21.6	21.6	1,113	24VDC				

With LED Indicator and Diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-1SND-DC24S	G2R-1SND-DC24S	H	SPDT	1	21.6	21.6	1,113	24VDC				
653-G2R-2-SND-DC12S	G2R-2-SND-DC12(S)	I	DPDT	2	43.2	43.2	278	12VDC				
653-G2R-2SND-DC24S	G2R-2SND-DC24S	I	DPDT	2	21.6	21.6	1,113	24VDC				

LED Indicator and Diode with Test Button

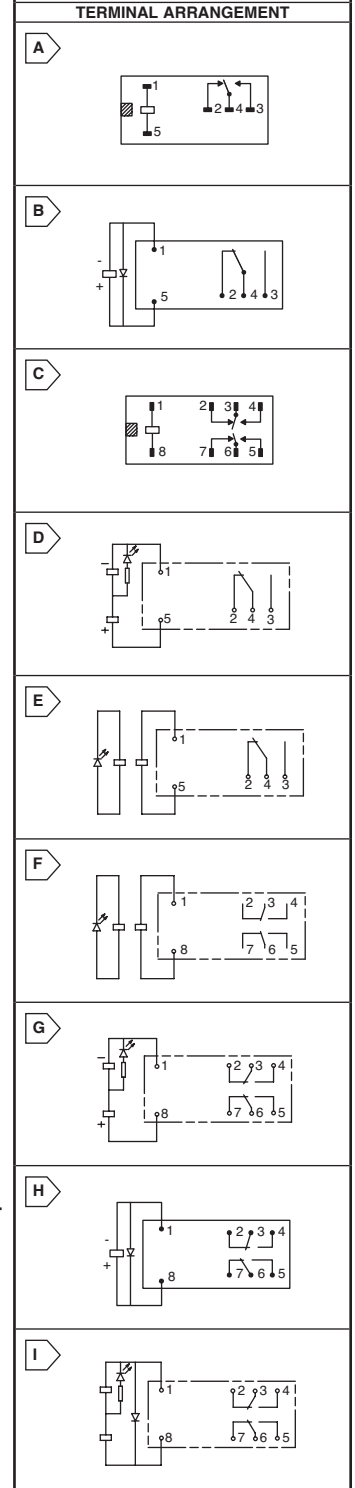
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Number of Poles	Rated Current (mA)		Coil Resistance (Ω)	Coil Voltage	Price Each			
					@50Hz	@60Hz			1	25	50	100
653-G2R-2-SNIDC24S	G2R-2-SNIDC24(S)	I	DPDT	2	21.6	21.6	1,113	24VDC				

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-P2RF-05-E	P2RF-05-E	Track mount socket for G2R-1S and G2R-1-SN, screw terminals				
653-P2RF-08	P2RF-08	Track mount socket for G2R-2S and G2R-2-SN, solder terminals				
653-P2RF-08-E	P2RF-08-E	Track mount socket for G2R-2S and G2R-2-SN, screw terminals				
653-P2RF-05S	P2RF-05S	Track mount socket for G2R-1S and G2R-1-SN, screwless clamp				
653-P2RF-08S	P2RF-08S	Track mount socket for G2R-2S and G2R-2-SN, screwless clamp				
653-P2R-05P	P2R-05P	Back mount socket for G2R-1S and G2R-1-SN, PCB terminals				
653-P2R-08P	P2R-08P	Back mount socket for G2R-2S and G2R-2-SN, PCB terminals				
653-PFP-100N	PFP-100N	DIN rail 100cm (39") length				
653-PFP-M	PFP-M	Din rail end stop plate				



General Purpose Relays Omron

OMRON Power Relays



OMRON MGN SERIES: 30A HEAVY-DUTY, OPEN-FRAME POWER RELAYS

Specifications:

- Life expectancy:
 - Electrical 100,000 operations (minimum)
 - Mechanical 1,000,000 operations
- Dielectric strength: 2,200VRMS, 60Hz between contacts
- Terminals: Screw type

Features:

- Class F coil insulation system for 155°C (311°F)
- Coil molded in DuPont Pyrite® for environmental protection
- Rugged construction rivets terminals to base
- Short Circuit Current Rating (SCCR) of 5KA, 600VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Base Size	Price Each			
						1	25	50	100
653-MGN1C-AC120	MGN1C-AC120	A	SPDT	120VAC	Short				
653-MGN1C-DC12	MGN1C-DC12	A	SPDT	12VDC	Short				
653-MGN1C-DC24	MGN1C-DC24	A	SPDT	24VDC	Short				
653-MGN2A-AC240	MGN2A-AC240	A	DPST-NO	240VAC	Short				
653-MGN2A-DC12	MGN2A-DC12	A	DPST-NO	12VDC	Short				
653-MGN2A-DC24	MGN2A-DC24	A	DPST-NO	24VDC	Short				
653-MGN2C-AC120	MGN2C-AC120	B	DPDT	120VAC	Long				
653-MGN2C-DC12	MGN2C-DC12	B	DPDT	12VDC	Long				

OMRON G7Z SERIES: POWER RELAYS WITH AUXILIARY CONTACT BLOCKS

Specifications:

- Maximum operating frequency:
 - Rated Load 1,200 operations/hour
 - Mechanical 1,800 operations/hour
- Dielectric strength: 4,000VAC, 50/60Hz
- Terminal type: Screw

Features:

- 40A can be carried and switched on each of 4 poles
- Possible to reach a maximum load capacity of 160A when using 4-pole parallel connections
- EN 60947-4-1 certification for mirror contact mechanisms has been obtained by using a combination of the relay and auxiliary contact blocks



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Configuration		Coil Voltage (VDC)	Price Each			
			Relay	Auxiliary Contact Block		1	25	50	100
653-G7Z-2A2B-11ZDC12	G7Z-2A2B-11Z DC12	C	DPST-NO/DPST-NC	SPST-NO/SPST-NC	12				
653-G7Z-2A2B-02ZDC24	G7Z-2A2B-02Z DC24	C	DPST-NO/DPST-NC	DPST-NC	24				
653-G7Z-4A-11ZDC12	G7Z-4A-11Z DC12	C	4PST-NO	SPST-NO/SPST-NC	12				
653-G7Z-4A-11ZDC24	G7Z-4A-11Z DC24	C	4PST-NO	SPST-NO/SPST-NC	24				

OMRON G9EA-1 SERIES: 60A AND 100A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: Approx. 5W
- Rated load: 60A @ 400VDC
100A @ 120VDC
- Terminal type: Screw
- UL/CSA standard UL508 approved

Features:

- Switching and driving sections are gas-injected/hermetically sealed which allow relays to interrupt high-capacity loads
- Sealed construction requires no arc space, saves space, and helps ensure safe applications
- No restrictions on the mounting direction



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
Switching/Current Conduction Models, 60A										
653-G9EA-1-B-DC12	G9EA-1-B-DC12	D	417.0	28.8	12					
653-G9EA-1-B-DC24	G9EA-1-B-DC24	D	208.0	115.2	24					
High-Current Conduction Models, 100A										
653-G9EA-1-B-CA-DC12	G9EA-1-B-CA-DC12	D	417.0	28.8	12					
653-G9EA-1-B-CA-DC24	G9EA-1-B-CA-DC24	D	208.0	115.2	24					
Accessories										
653-P9EA-C	P9EA-C	-			Terminal cover					
653-P9EA-D	P9EA-D	-			DIN track adapter					

OMRON G9EB-1 SERIES: 25A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: Approx. 5W
- Terminal type: Screw
- UL/CSA standard UL508 approved

Features:

- Low-cost relay that is both compact 25x60x58mm and lightweight @ approx. 135g
- Unique gas-filled, fully sealed, non-ceramic construction reduces need for special processing and materials



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
Switching/Current Conduction Models, 25A										
653-G9EB-1-B-DC12	G9EB-1-B-DC12	E	166.7	72.0	12					
653-G9EB-1-B-DC24	G9EB-1-B-DC24	E	83.3	288.0	24					
653-G9EB-1-BDC48	G9EB-1-B DC48	E	41.7	1152.0	48					

OMRON G9EC-1 SERIES: 200A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: Approx. 11W
- Rated load: 200A @ 400VDC
- Terminal type: Screw
- UL/CSA standard UL508 approved

Features:

- Switching and driving sections are gas-injected/hermetically sealed which allow relays to interrupt high-capacity loads.
- Sealed construction requires no arc space, saves space, and helps ensure safe applications.
- No restrictions on the mounting direction
- UL/CSA standard UL508 approved



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each				
						1	25	50	100	
Switching/Current Conduction Models, 200A										
653-G9EC-1-B-DC24	G9EC-1-B-DC24	F	469.0	51.2	24					
Accessories										
653-P9EC-C	P9EC-C	-			Terminal cover					

DIMENSIONS: mm

A

55.88
63.50
63.50

B

60.45
84.33
63.50

C

84.0
60.0
45.0
62.0

D

67.2
73.0
36.0

E

40.0
58.0
60.0
25.0

F

86.7
98.0
44.0

Omron General Purpose Relays

OMRON Safety, Low Signal and General Purpose Relays **OMRON**



This product is RoHS compliant.

OMRON G7SA SERIES: SLIM, PLUG-IN SAFETY RELAYS FOR MACHINE CONTROL

Specifications:

- Rated voltage: 24VDC
- Rated load: 6A @ 250VAC/30VDC
- Flux-tight
- Electrical life: 100,000 operations min.

Features:

- Slim body
- Terminal arrangement simplifies PCB pattern design
- Positive, force-guided contacts



MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Contact Form	NO Contacts	NC Power	Price Each			
							1	10	25	50
653-G7SA-2A2B-DC24	G7SA-2A2B-DC24	A	4	DPST-NO, DPST-NC	2	2				
653-G7SA-3A1B-DC24	G7SA-3A1B-DC24	A	4	3PST-NO, SPST-NC	3	1				
653-G7SA-4A2B-DC24	G7SA-4A2B-DC24	B	6	4PST-NO, DPST-NC	4	2				
653-G7SA-5A1B-DC24	G7SA-5A1B-DC24	B	6	5PST-NO, SPST-NC	5	1				

Sockets for G7SA

Part No.	Mounting
653-P7SA-10F	4-pole DIN rail and screw mounting
653-P7SA-14F	6-pole DIN rail and screw mounting
653-P7SA-10P	4-pole PCB terminal
653-P7SA-14P	6-pole PCB terminal
653-P7SA-10F-NDCC24	4-pole DIN rail and screw mounting with LED indicator
653-P7SA-14F-ND	6-pole DIN rail and screw mounting with LED indicator

DIMENSIONS: mm

A

B

C

D

E

F

Terminal Arrangement

OMRON G2RV SERIES: 6A INDUSTRIAL, SLIM RELAYS

Specifications:

- Rated load: 6A @ 250VAC/30VDC
- Contact resistance: 100mΩ max.
- Contact form: SPDT
- Contact material: AgSnIn
- Terminal type: Screw

Features:

- Large, plug-in terminals for reliable connection
- LED indicator, clear case, and mechanical flag allows easy and immediate visual operation verification.
- Has a maximum switching voltage of 440VAC
- Low power consumption for system energy savings

MOUSER STOCK NO.	Omron Part No.	Fig.	Coil Voltage	Rated Current (mA)			Power Consumption (approx.)		Price Each			
				AC		DC	AC(VA)	DC(mW)	1	25	50	100
				50Hz	60Hz							
653-G2RV-SL-ACDC24	G2RV-SL700-AC/DC24	C	24VAC/DC	21.1	22.5	13.0	0.5	300				
653-G2RV-SL0AC110	G2RV-SL700-AC110	C	110VAC	7.1	7.5	-	0.8	-				
653-G2RV-SL700AC230	G2RV-SL700 AC230	C	230VAC	7.3	7.9	-	1.7	-				
653-G2RV-SL-DC24	G2RV-SL700-DC24(DC24)	C	24VDC	-	-	13.3	-	300				

OMRON G7J SERIES: MULTI-POLE POWER RELAYS

Specifications:

- Contact rating: 25A (NO) @ 250 VAC/30VDC, 8A (NC) @ 220 VAC/30VDC
- Maximum switching current: 25A (NO), 8A (NC)
- Power consumption: AC 1.8-2.6VA / DC 2.0W

Features:

- Push-to-test button on all models
- Ideal for 3-phase motor control applications
- Class F insulation
- UL508 and 1950 approved



MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage	Terminal Type	Price Each			
								1	25	50	100
Relay and W-Bracket Set											
653-G7J-2A2BBW-AC1	G7J-2A2B-B-W1-AC100/120	D	DPST-NO/DPST-NC	18.0-21.6	-	100/120VAC	Screw				
653-G7J-3A1BBW-AC1	G7J-3A1B-B-W1-AC100/120	D	3PST-NO/SPST-NC	18.0-21.6	-	100/120VAC	Screw				
653-G7J-3A1BBW-DC24	G7J-3A1B-B-W1-DC24	D	3PST-NO/SPST-NC	83.0	288.0	24VDC	Screw				
653-G7J-4ABW-AC1	G7J-4A-B-W1-AC100/120	D	4PST-NO	18.0-21.6	-	100/120VAC	Screw				
653-G7J-4ABW-DC24	G7J-4A-B-W1-DC24	D	4PST-NO	83.0	288.0	24VDC	Screw				
Relay Only, Requires a W-Bracket for Mounting (Purchased Separately)											
653-G7J-3A1B-TAC24	G7J-3A1B-T AC24	D	3PST-NO/SPST-NC	75.0	-	24VAC	QC				
653-G7J-3A1B-BDC24	G7J-3A1B-B DC24	D	3PST-NO/SPST-NC	83.0	288.0	24VDC	Screw				
653-G7J-3A1B-TDC24	G7J-3A1B-T DC24	D	3PST-NO/SPST-NC	83.0	288.0	24VDC	QC				
653-G7J-4A-BDC24	G7J-4A-B DC24	D	4PST-NO	83.0	288.0	24VDC	Screw				
Relay Only, PCB Mount											
653-G7J-2A2BP-AC1	G7J-2A2B-P-AC100/120	D	DPST-NO/DPST-NC	18.0-21.6	-	100/120VAC	PCB				
653-G7J-3A1B-PDC24	G7J-3A1B-P DC24	D	3PST-NO/SPST-NC	83.0	288.0	24VDC	PCB				
653-G7J-4A-PAC200/240	G7J-4A-P AC200/240	D	4PST-NO	9.0-10.8	-	200/240VAC	PCB				
653-G7J-4A-P-DC12	G7J-4A-P-DC12	D	4PST-NO	167.0	72.0	12VDC	PCB				
653-G7J-4A-P-DC24	G7J-4A-P-DC24	D	4PST-NO	83.0	288.0	24VDC	PCB				
Accessories											
653-R99-04FORG5F	R99-04 FOR G5F	-	W-brackets for mounting								

OMRON G6J-Y SERIES: 1A DPDT ULTRA-COMPACT LOW SIGNAL RELAYS

Specifications:

- Rated load: 0.3A @ 125VAC, 1A @ 30VDC
- Non-latching
- Contact resistance: 100mΩ max.
- Contact material: Ag (Au Clad)

Features:

- Slim design provides a mounting area reduction
- Dielectric strength of 1500VAC and an impulse withstand voltage of 2500V for 2x10μs which conforms to Telcordia specifications (formerly Bellcore)
- Conforms to FCC Part 68 requirements (1500V, 10x160μs)



MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Terminal Type	Price Each			
							1	25	50	100
653-G6J-2P-Y-DC3	G6J-2P-Y-DC3	E	48.0	62.5	3	Thru-hole				
653-G6J-2P-Y-DC4.5	G6J-2P-Y-DC4.5	E	32.6	137.9	4.5	Thru-hole				
653-G6J-2P-Y-DC5	G6J-2P-Y-DC5	E	28.9	173.1	5	Thru-hole				
653-G6J-2P-Y-DC12	G6J-2P-Y-DC12	E	12.3	976.8	12	Thru-hole				
653-G6J-2P-Y-DC24	G6J-2P-Y-DC24	E	9.2	2600.5	24	Thru-hole				
653-G6J-2FS-Y-DC3	G6J-2FS-Y-DC3	F	48.0	62.5	3	SMT Short leads				
653-G6J-2FS-Y-DC5	G6J-2FS-Y-DC5	F	28.9	173.1	5	SMT Short leads				
653-G6J-2FS-Y-DC12	G6J-2FS-Y-DC12	F	12.3	976.8	12	SMT Short leads				
653-G6J-2FS-Y-DC24	G6J-2FS-Y-DC24	F	9.2	2600.5	24	SMT Short leads				
653-G6J-2FLY-DC4.5	G6J-2FLY-DC4.5	F	32.6	137.9	4.5	SMD Gull-wing				
653-G6J-2FLY-DC5	G6J-2FLY-DC5	F	28.9	173.1	5	SMD Gull-wing				

P&B General Purpose Relays



KUHP SERIES: 20 AND 30 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Expected mechanical life: 10 million operations min.
- Contact material: AgCdO
- Terminals: .250" QC/Solder



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
Bracket Mount Case									
655-KUHP-5A51-24	KUHP-5A51-24	A1	24VAC	SPDT	30A				
655-KUHP-5A51-120	KUHP-5A51-120	A1	120VAC	SPDT	30A				
655-KUHP-5D51-12	KUHP-5D51-12	A1	12VDC	SPDT	30A				
655-KUHP-5D51-24	KUHP-5D51-24	A1	24VDC	SPDT	30A				
655-KUHP-11A51-24	KUHP-11A51-24	A2	24VAC	DPDT	20A				
655-KUHP-11A51-120	KUHP-11A51-120	A2	120VAC	DPDT	20A				
655-KUHP-11D51-12	KUHP-11D51-12	A2	12VDC	DPDT	20A				
655-KUHP-11D51-24	KUHP-11D51-24	A2	24VDC	DPDT	20A				
Top Flange Case									
655-KUHP-5AT1-120	KUHP-5AT1-120	B1	120VAC	SPDT	30A				
655-KUHP-5DT1-12	KUHP-5DT1-12	B1	12VDC	SPDT	30A				
655-KUHP-5DT1-24	KUHP-5DT1-24	B1	24VDC	SPDT	30A				
655-KUHP-11AT1-120	KUHP-11AT1-120	B2	120VAC	DPDT	20A				
655-KUHP-11DT1-12	KUHP-11DT1-12	B2	12VDC	DPDT	20A				
655-KUHP-11DT1-24	KUHP-11DT1-24	B2	24VDC	DPDT	20A				

KUL SERIES: 10 AMP MAGNETIC LATCHING RELAY

Specifications:

- Enclosure: Clear polycarbonate cover
- Expected mechanical life: 100,000 operations min.
- Contact material: AgCdO
- Terminals: .187" QC/Solder; silver-cadmium oxide, 10Amps



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Coils	Price Each			
						1	25	50	100
655-KUL-11A15S-120	KUL-11A15S-120	C3	120VAC	DPDT	1				
655-KUL-11D15D-12	KUL-11D15D-12	C4	12VDC	DPDT	2				
655-KUL-11D15D-24	KUL-11D15D-24	C4	24VDC	DPDT	2				
Sockets and Accessories for KUL Series									
655-27E043	27E043		Solder eyelet socket, rated 15A, for 1-3 pole relays						
655-27E067	27E067		PCB terminal socket, rated 15A, for 1-3 pole relays						
655-27E121	27E121		Screw terminal socket, rated 15A, for 1-3 pole relays						
655-27E396	27E396		.187" quick connect socket, rated 15A, for 1-3 pole relays						
655-27E893	27E893		Screw term., DIN rail snap-mnt socket, for 1-3 pole relays						
655-20C247	20C247		Hold down spring for 27E043 and 27E067						
655-20C314	20C314		Hold down spring for 27E121						
655-20C318	20C318		Hold down spring for 27E893						
655-24A110	24A110		Aluminum DIN rail track, 36"						

KUMP SERIES: 15 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Expected mechanical life: 100,000 operations min.
- Contact material: AgCdO
- Terminals: .187" QC/solder; silver-cadmium-oxide
- Mounting: #6-32 stud, .218" locating tab



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KUMP-11A18-24	KUMP-11A18-24	D5	24VAC	DPDT	15A				
655-KUMP-11A18-120	KUMP-11A18-120	D5	120VAC	DPDT	15A				
655-KUMP-11D18-12	KUMP-11D18-12	D5	12VDC	DPDT	15A				
655-KUMP-11D18-24	KUMP-11D18-24	D5	24VDC	DPDT	15A				
655-KUMP-11D18-110	KUMP-11D18-110	D5	110VDC	DPDT	15A				
655-KUMP-14A18-120	KUMP-14A18-120	D6	120VAC	3PDT	15A				
655-KUMP-14D18-12	KUMP-14D18-12	D6	12VDC	3PDT	15A				
655-KUMP-14D18-24	KUMP-14D18-24	D6	24VDC	3PDT	15A				
Sockets and Accessories for KUMP Series									
655-27E043	27E043		Solder eyelet socket, rated 15A, for 1-3 pole relays						
655-27E067	27E067		.187" quick connect, rated 15A, for 1-3 pole relays						
655-27E121	27E121		Screw terminal socket, rated 15A, for 1-3 pole relays						
655-27E396	27E396		.187" quick connect socket, rated 15A, for 1-3 pole relays						
655-27E867	27E867		Screw terminal socket, rated 15A, for 4 pole relays						
655-27E893	27E893		Screw term., DIN rail snap-mnt socket, for 1-3 pole relays						
655-20C228	20C228		Hold down spring with screw for 27E043 and 27E067						
655-20C254	20C254		Snap-on hold down spring for 27E043 and 27E067						
655-20C318	20C318		Hold down spring for 27E893						
655-24A110	24A110		Aluminum DIN rail track, 36"						

MT SERIES: GENERAL PURPOSE MULTIMODE RELAY

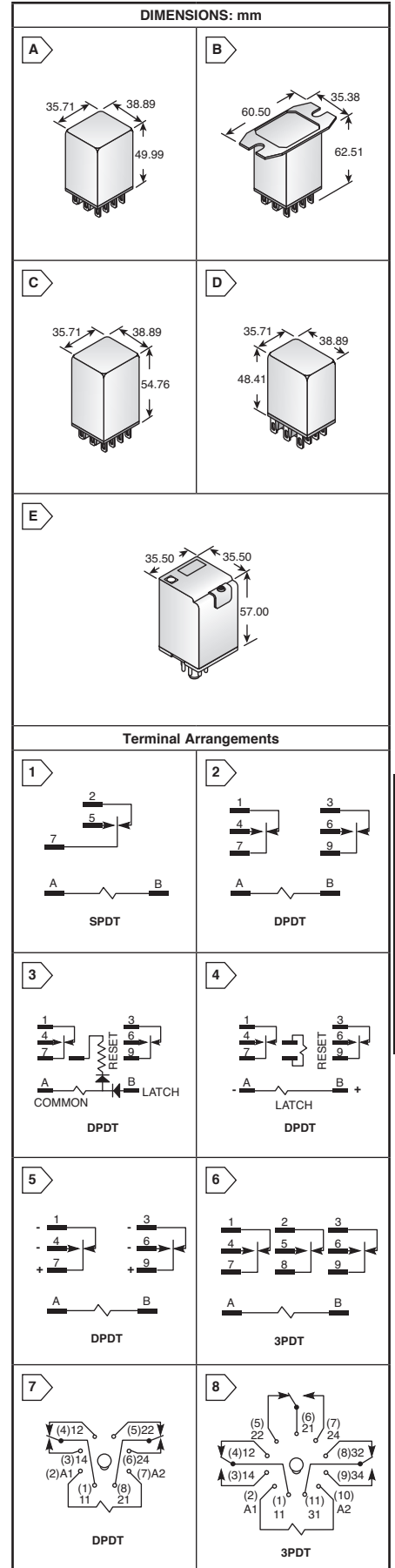
Specifications:

- Enclosure: clear polycarbonate cover
- Expected mechanical life: 20 million operations min.
- Contact rating/material: 10A/AgNi (90/10)
- Mechanical indicator (test-button)
- 10Amp



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Pins	Price Each			
						1	25	50	100
655-MT226024	MT226024	E7	24VAC	DPDT	8 pin				
655-MT226115	MT226115	E7	115VAC	DPDT	8 pin				
655-MT221012	MT221012	E7	12VDC	DPDT	8 pin				
655-MT221024	MT221024	E7	24VDC	DPDT	8 pin				
655-MT326115	MT326115	E8	115VAC	3PDT	11 pin				
655-MT321012	MT321012	E8	12VDC	3PDT	11 pin				
655-MT321024	MT321024	E8	24VDC	3PDT	11 pin				



K10 SERIES: 15 AMP GENERAL PURPOSE MINIATURE RELAYS

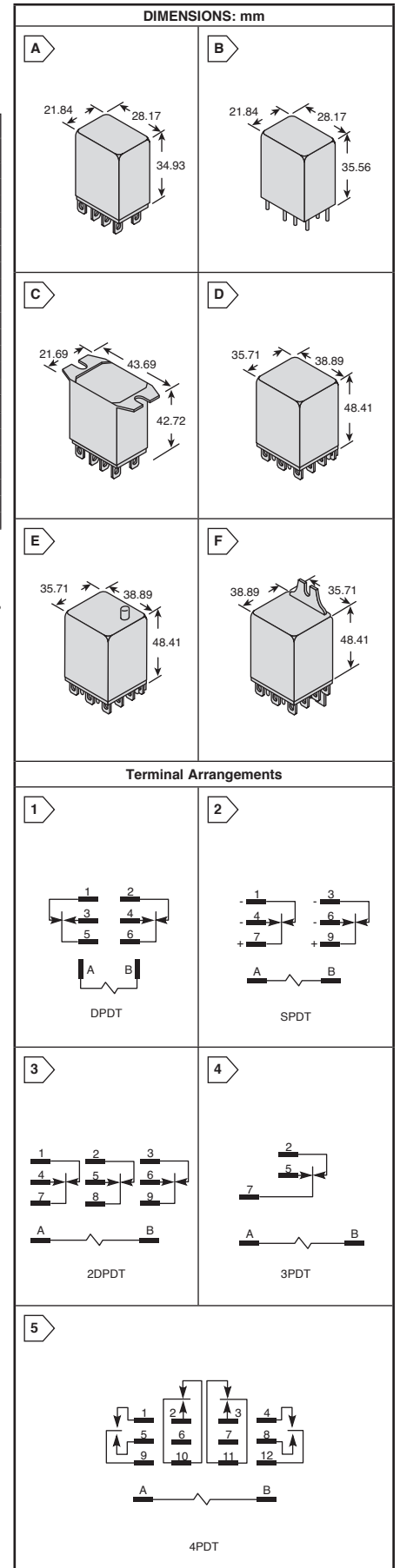
Specifications:

- DPDT contact arrangement
- Continuous duty cycle
- Expected Mechanical life: 100,000 operations min.
- UL Class B insulation system
- Contact Materials: AgCdO
- Cover: polycarbonate (smoke color)
- Max. Coil Power: 2 Watts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Mounting Type	Terminal Type	Price Each			
						1	25	50	100
655-K10P-11A15-6	K10P-11A15-6	A1	6VAC	Socket	.187" QC/Solder				
655-K10P-11A15-12	K10P-11A15-12	A1	12VAC	Socket	.187" QC/Solder				
655-K10P-11A15-24	K10P-11A15-24	A1	24VAC	Socket	.187" QC/Solder				
655-K10P-11A15-120	K10P-11A15-120	A1	120VAC	Socket	.187" QC/Solder				
655-K10P-11D15-6	K10P-11D15-6	A1	6VDC	Socket	.187" QC/Solder				
655-K10P-11D15-12	K10P-11D15-12	A1	12VDC	Socket	.187" QC/Solder				
655-K10P-11D15-24	K10P-11D15-24	A1	24VDC	Socket	.187" QC/Solder				
655-K10P-11D15-110	K10P-11D15-110	A1	110VDC	Socket	.187" QC/Solder				
655-K10P-11D55-12	K10P-11D55-12	B1	12VDC	PCB terminals	.160" length				
655-K10P-11D55-24	K10P-11D55-24	B1	24VDC	PCB terminals	.160" length				
655-K10P-11D55-110	K10P-11D55-110	B1	110VDC	PCB terminals	.160" length				
655-K10P-11DT5-12	K10P-11DT5-12	C1	12VDC	Top Flange/Panel	.187" QC/Solder				
655-K10P-11DT5-24	K10P-11DT5-24	C1	24VDC	Top Flange/Panel	.187" QC/Solder				
655-K10P-11AT5-120	K10P-11AT5-120	C1	120VAC	Top Flange/Panel	.187" QC/Solder				
Sockets and Accessories						Description			
655-27E487	27E487			Screw terminal socket, rated 10A					
655-27E488	27E488			Solder terminal socket, rated 10A					
655-27E489	27E489			PCB terminal socket, rated 10A					
655-27E895	27E895			DIN mount screw terminal, 10A					
655-20C217	20C217			Hold down spring for 27E488 and 27E489					
655-20C297	20C297			Hold down spring for 27E487					
655-24A110	24A110			Aluminum DIN rail track, .36"					



General Purpose Relays TE Connectivity

KUP SERIES: ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Clear polycarbonate dust cover
- UL Class B insulation system
- Contact material: 5A - Silver; 10A - AgCdO
- Expected Mechanical life: 100,000 operations min.
- Plain case



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Terminal Type	Contact Form	Contact Rating	Price Each			
							1	25	50	100
655-KUP-11A11-120	KUP-11A11-120	D2	120VAC	.187" QC/Solder	DPDT	5A				
655-KUP-11D11-24	KUP-11D11-24	D2	24VDC	.187" QC/Solder	DPDT	5A				
655-KUP-11A15-24	KUP-11A15-24	D2	24VAC	.187" QC/Solder	DPDT	10A				
655-KUP-11A15-120	KUP-11A15-120	D2	120VAC	.187" QC/Solder	DPDT	10A				
655-KUP-11D15-12	KUP-11D15-12	D2	12VDC	.187" QC/Solder	DPDT	10A				
655-KUP-11D15-24	KUP-11D15-24	D2	24VDC	.187" QC/Solder	DPDT	10A				
655-KUP-14A11-120	KUP-14A11-120	D3	120VAC	.187" QC/Solder	3PDT	5A				
655-KUP-14D11-24	KUP-14D11-24	D3	24VDC	.187" QC/Solder	3PDT	5A				
655-KUP-14A15-12	KUP-14A15-12	D3	12VAC	.187" QC/Solder	3PDT	10A				
655-KUP-14A15-24	KUP-14A15-24	D3	24VAC	.187" QC/Solder	3PDT	10A				
655-KUP-14A15-120	KUP-14A15-120	D3	120VAC	.187" QC/Solder	3PDT	10A				
655-KUP-14D15-12	KUP-14D15-12	D3	12VDC	.187" QC/Solder	3PDT	10A				
655-KUP-14D15-24	KUP-14D15-24	D3	24VDC	.187" QC/Solder	3PDT	10A				
655-KUP-14D15-48	KUP-14D15-48	D3	48VDC	.187" QC/Solder	3PDT	10A				
655-KUP-5A15-24	KUP-5A15-24	D4	24VAC	.187" QC/Solder	SPDT	10A				
655-KUP-5A15-120	KUP-5A15-120	D4	120VAC	.187" QC/Solder	SPDT	10A				
655-KUP-5A15-240	KUP-5A15-240	D4	240VAC	.187" QC/Solder	SPDT	10A				
655-KUP-5D15-12	KUP-5D15-12	D4	12VDC	.187" QC/Solder	SPDT	10A				
655-KUP-17A19-120	KUP-17A19-120	D5	120VAC	.110" QC/Solder	4PDT	10A				
655-KUP-17D19-24	KUP-17D19-24	D5	24VDC	.110" QC/Solder	4PDT	10A				
With Test Button										
655-KUP-14A25-120	KUP-14A25-120	E3	120VAC	.187" QC/Solder	3PDT	10A				
With Indicator Lamp										
655-KUP-11A35-120	KUP-11A35-120	D2	120VAC	.187" QC/Solder	DPDT	10A				
655-KUP-14A35-24	KUP-14A35-24	D3	24VAC	.187" QC/Solder	DPDT	10A				
655-KUP-14A35-120	KUP-14A35-120	D3	120VAC	.187" QC/Solder	3PDT	10A				
With Test Button and Indicator Lamp										
655-KUP-14A45-120	KUP-14A45-120	E3	120VAC	.187" QC/Solder	3PDT	10A				
Bracket Mount Case										
655-KUP-11D55-12	KUP-11D55-12	F2	12VDC	.187" QC/Solder	DPDT	10A				
655-KUP-11D55-24	KUP-11D55-24	F2	24VDC	.187" QC/Solder	DPDT	10A				
655-KUP-11A55-24	KUP-11A55-24	F2	24VAC	.187" QC/Solder	DPDT	10A				
655-KUP-11A55-120	KUP-11A55-120	F2	120VAC	.187" QC/Solder	DPDT	10A				
655-KUP-14A55-24	KUP-14A55-24	F3	24VAC	.187" QC/Solder	3PDT	10A				
655-KUP-14A55-120	KUP-14A55-120	F3	120VAC	.187" QC/Solder	3PDT	10A				
655-KUP-14D55-12	KUP-14D55-12	F3	12VDC	.187" QC/Solder	3PDT	10A				
655-KUP-14D55-24	KUP-14D55-24	F3	24VDC	.187" QC/Solder	3PDT	10A				
655-KUP-5A55-120	KUP-5A55-120	F4	120VAC	.187" QC/Solder	SPDT	10A				
655-KUP-5D55-24	KUP-5D55-24	F4	24VDC	.187" QC/Solder	SPDT	10A				
Sockets and Accessories						Description				
655-27E043	27E043			Solder eyelet socket, rated 15A, for 1-3 pole relays						
655-27E067	27E067			PCB terminals socket, rated 15A, for 1-3 pole relays						
655-27E121	27E121			Screw terminal socket, rated 15A, for 1-3 pole relays						
655-27E396	27E396			.187" quick connect socket, rated 15A, for 1-3 pole relays						
655-27E867	27E867			Screw terminal socket, rated 15A, for 4 pole relays						
655-27E893	27E893			Screw terminal, DIN rail snap-mnt socket, 1-3 pole relays						
655-20C228	20C228			Hold down spring w/ screw for 27E043, 27E067, 27E121						
655-20C254	20C254			Snap-on hold down spring for 1-4 pole sockets						
655-20C318	20C318			Hold down spring for 27E893						
655-24A110	24A110			Aluminum DIN rail track, .36"						

KRPA SERIES: OCTAL-TYPE ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Expected Mechanical life: 100,000 operations min.
- 3W
- Contact material: 5A - Silver; 10A - AgCdO



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KRPA-11AG-12	KRPA-11AG-12	A1	12VAC	DPDT	10A				
655-KRPA-11AG-24	KRPA-11AG-24	A1	24VAC	DPDT	10A				
655-KRPA-11AG-120	KRPA-11AG-120	A1	120VAC	DPDT	10A				
655-KRPA-11AG-240	KRPA-11AG-240	A1	240VAC	DPDT	10A				
655-KRPA-11DG-12	KRPA-11DG-12	A1	12VDC	DPDT	10A				
655-KRPA-11DG-24	KRPA-11DG-24	A1	24VDC	DPDT	10A				
655-KRPA-11DG-48	KRPA-11DG-48	A1	48VDC	DPDT	10A				
655-KRPA-11DG-110	KRPA-11DG-110	A1	110VDC	DPDT	10A				
655-KRPA-11DN-12	KRPA-11DN-12	A1	12VDC	DPDT	10A				
655-KRPA-11DN-24	KRPA-11DN-24	A1	24VDC	DPDT	10A				
655-KRPA-11DN-110	KRPA-11DN-110	A1	110VDC	DPDT	10A				
655-KRPA-11AN-24	KRPA-11AN-24	A1	24VAC	DPDT	10A				
655-KRPA-11AN-120	KRPA-11AN-120	A1	120VAC	DPDT	10A				
655-KRPA-11AN-240	KRPA-11AN-240	A1	240VAC	DPDT	10A				
655-KRPA-11AY-12	KRPA-11AY-12	A1	12VAC	DPDT	5A				
655-KRPA-11AY-24	KRPA-11AY-24	A1	24VAC	DPDT	5A				
655-KRPA-11AY-120	KRPA-11AY-120	A1	120VAC	DPDT	5A				
655-KRPA-11DY-12	KRPA-11DY-12	A1	12VDC	DPDT	5A				
655-KRPA-11DY-24	KRPA-11DY-24	A1	24VDC	DPDT	5A				
655-KRPA-14AG-12	KRPA-14AG-12	A2	12VAC	3PDT	10A				
655-KRPA-14AG-24	KRPA-14AG-24	A2	24VAC	3PDT	10A				
655-KRPA-14AG-120	KRPA-14AG-120	A2	120VAC	3PDT	10A				
655-KRPA-14AG-240	KRPA-14AG-240	A2	240VAC	3PDT	10A				
655-KRPA-14DG-12	KRPA-14DG-12	A2	12VDC	3PDT	10A				
655-KRPA-14DG-24	KRPA-14DG-24	A2	24VDC	3PDT	10A				
655-KRPA-14DG-48	KRPA-14DG-48	A2	48VDC	3PDT	10A				
655-KRPA-14DG-110	KRPA-14DG-110	A2	110VDC	3PDT	10A				
655-KRPA-14AN-24	KRPA-14AN-24	A2	24VAC	3PDT	10A				
655-KRPA-14AN-120	KRPA-14AN-120	A2	120VAC	3PDT	10A				
655-KRPA-14AN-240	KRPA-14AN-240	A2	240VAC	3PDT	10A				
655-KRPA-14DN-24	KRPA-14DN-24	A2	24VDC	3PDT	10A				
655-KRPA-14AY-24	KRPA-14AY-24	A2	24VAC	3PDT	5A				
655-KRPA-14AY-120	KRPA-14AY-120	A2	120VAC	3PDT	5A				
655-KRPA-14AY-240	KRPA-14AY-240	A2	240VAC	3PDT	5A				
655-KRPA-14DY-24	KRPA-14DY-24	A2	24VDC	3PDT	5A				

DIMENSIONS: mm

A

DPDT

1

DPDT

B

3PDT

2

3PDT

C

D

E

F

G

H

TE Connectivity General Purpose Relays

KHAU SERIES: MULTICONTACT GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Expected life: 100,000 operations at rated load
- Socket mount, solder terminals
- Contact material: 1A - Bifurcated cross bar, Au over Ag; 3A - Ag, 5A-AgCdO



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KHAU-17A11-24	KHAU-17A11-24	B	24VAC	4PDT	3A				
655-KHAU-17A11-120	KHAU-17A11-120	B	120VAC	4PDT	3A				
* 655-KHAU-17A11N-120	KHAU-17A11N-120	B	120VAC	4PDT	3A				
655-KHAU-17A12-120	KHAU-17A12-120	B	120VAC	4PDT	5A				
655-KHAU-17D12-24	KHAU-17D12-24	B	24VDC	4PDT	5A				
655-KHAU-17D11-12	KHAU-17D11-12	B	12VDC	4PDT	3A				
655-KHAU-17D11-24	KHAU-17D11-24	B	24VDC	4PDT	3A				
655-KHAU-17A16-24	KHAU-17A16-24	B	24VAC	4PDT	1A				

* Neon indicator

SOCKETS AND ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Description	Price Each			
				1	25	50	100
KRPA Series							
655-27E122	27E122	C	8-pin screw terminal socket, 10A, for KRPA11				
655-27E123	27E123	D	11-pin screw terminal socket, 10A, for KRPA14				
655-27E891	27E891	E	8-pin DIN rail snap mount socket, 10A, for KRPA11				
655-27E892	27E892	F	11-pin DIN rail snap mount socket, 10A, for KRPA14				
655-20C176	20C176	--	Hold down spring. Mounts to socket with socket screws				
655-20C318	20C318	--	Hold down spring for use with 27E891, 27E892				
655-24A110	24A110	--	Aluminum DIN rail track, 36"				
655-24A071	24A071	--	Steel mounting clip with screw				
655-24A072	24A072	--	Plastic twist mounting clip				
655-40G432	40G432	--	Plastic insulator				
KHAU Series							
655-27E006	27E006	G	Solder socket with grounding provision for KHAU, KHS				
655-27E007	27E007	G	PCB terminals socket with grounding provision, for KHAU, KHS				
655-27E023	27E023	G	PCB terminals socket w/out grounding provision, for KHAU, KHS				
655-27E166	27E166	H	Screw terminal socket with grounding provision for KHAU, KHS				
655-27E894	27E894	H	Screw terminal, DIN rail snap-mount socket, for KHAU, KHS				
655-24A110	24A110	--	Aluminum DIN rail track, 36"				
655-20C217	20C217	--	Hold down spring for 27E006, 27E007, and 27E023				
655-20C297	20C297	--	Hold down spring for 27E166 and 27E894				

PANASONIC Power Relays



RoHS Compliant This product is RoHS compliant.

CN-H RELAYS (ACNH)

Features:

- Best space savings in its class
- Large capacity switching despite small size
- Can replace micro ISO terminal type relays
- Terminals for PC board pattern designs are easily allocated
- Sealed type

Typical Applications:

- Head lamp, Fog lamp, Fan motor, EPS, Defogger, Seat heater, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Contact Arrangement	Coil Voltage (VDC)	Mounting Type	Price Each			
						1	25	50	100
769-ACNH3112	ACNH3112	A	1 Form A	12	PCB				
769-ACNM3112	ACNM3112	A	1 Form A	12	PCB				
769-ACNM7112SAZ	ACNM7112SAZ	A	1 Form C High Heat-Resistant	12	SMD				
769-ACNM5112SAZ	ACNM5112SAZ	A	1 Form A High Heat-Resistant	12	SMD				

LF-G RELAYS (ALFG)

Features:

- High capacity.
- Contact gap: 1.5mm
- Coil holding voltage contributes to saving energy of equipment
- High insulation resistance
- Conforms to various safety standards

Typical Applications:

- Photovoltaic power generation systems (Solar inverter)
- Uninterruptible Power Supplies (UPS)
- Home appliances
- Office equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Contact Arrangement	Coil Voltage (VDC)	Mounting Type	Price Each			
						1	25	50	100
769-ALFG2PF09	ALFG2PF09	B	1 Form A High Capacity	9	PCB				
769-ALFG2PF18	ALFG2PF18	B	1 Form A High Capacity	18	PCB				
769-ALFG2PF24	ALFG2PF24	B	1 Form A High Capacity	24	PCB				

GN RELAYS (AGN)

Features:

- Compact slim body saves space
- High sensitivity single side stable type
- (Nominal operating power:100mW) is available
- Outstanding surge resistance
- The use of twin crossbar contacts ensures high contact reliability

- Increased packaging density
- Nominal operating power: 140mW
- Outstanding vibration and shock resistance
- Sealed construction allows automatic washing

Typical Applications:

- Telephone switchboard
- Telecommunications equipment
- Security
- Measurement equipment
- Consumer electronic and audio visual equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Contact Arrangement	Coil Voltage (VDC)	Mounting Type	Price Each			
						1	25	50	100
769-AGN2601H	AGN2601H	C	2 Form C	1.5	PCB				
769-AGN26003	AGN26003	C	2 Form C	3	PCB				
769-AGN2604H	AGN2604H	C	2 Form C	4.5	PCB				
769-AGN26006	AGN26006	C	2 Form C	6	PCB				
769-AGN26009	AGN26009	C	2 Form C	9	PCB				
769-AGN26012	AGN26012	C	2 Form C	12	PCB				
769-AGN26024	AGN26024	C	2 Form C	24	PCB				
769-AGN260A1H	AGN260A1H	D1	2 Form C	1.5	SMD TYPE A				
769-AGN260A4H	AGN260A4H	D1	2 Form C	4.5	SMD TYPE A				
769-AGN260A06	AGN260A06	D1	2 Form C	6	SMD TYPE A				
769-AGN260A09	AGN260A09	D1	2 Form C	9	SMD TYPE A				
769-AGN260A12	AGN260A12	D1	2 Form C	12	SMD TYPE A				
769-AGN260A24	AGN260A24	D1	2 Form C	24	SMD TYPE A				
769-AGN260S1H	AGN260S1H	D2	2 Form C	1.5	SMD TYPE B				
769-AGN260S03	AGN260S03	D2	2 Form C	3	SMD TYPE B				
769-AGN260S4H	AGN260S4H	D2	2 Form C	4.5	SMD TYPE B				
769-AGN260S06	AGN260S06	D2	2 Form C	6	SMD TYPE B				
769-AGN260S09	AGN260S09	D2	2 Form C	9	SMD TYPE B				
769-AGN260S12	AGN260S12	D2	2 Form C	12	SMD TYPE B				
769-AGN260S24	AGN260S24	D2	2 Form C	24	SMD TYPE B				

GQ RELAYS (AGQ)

Features:

- Compact flat body saves space
- High sensitivity single side stable type
- (Nominal operating power:100mW) is available
- Outstanding surge resistance
- The use of twin crossbar contacts ensures high contact reliability

- Increased packaging density
- Nominal operating power: 140mW
- Outstanding vibration and shock resistance
- Sealed construction allows automatic washing

Typical Applications:

- Telephone switchboard
- Telecommunications equipment
- Security
- Measurement equipment
- Consumer electronic and audio visual equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Contact Arrangement	Coil Voltage (VDC)	Mounting Type	Price Each			
						1	25	50	100
769-AGQ2601H	AGQ2601H	E	2 Form C	1.5	PCB				
769-AGQ26003	AGQ26003	E	2 Form C	3	PCB				
769-AGQ2604H	AGQ2604H	E	2 Form C	4.5	PCB				
769-AGQ26006	AGQ26006	E	2 Form C	6	PCB				
769-AGQ26012	AGQ26012	E	2 Form C	12	PCB				
769-AGQ26024	AGQ26024	E	2 Form C	24	PCB				
769-AGQ260S1H	AGQ260S1H	F	2 Form C	1.5	SMD S TYPE				
769-AGQ260S03	AGQ260S03	F	2 Form C	3	SMD S TYPE				
769-AGQ260S4H	AGQ260S4H	F	2 Form C	4.5	SMD S TYPE				
769-AGQ260S06	AGQ260S06	F	2 Form C	6	SMD S TYPE				
769-AGQ260S09	AGQ260S09	F	2 Form C	9	SMD S TYPE				
769-AGQ260S12	AGQ260S12	F	2 Form C	12	SMD S TYPE				
769-AGQ260S24	AGQ260S24	F	2 Form C	24	SMD S TYPE				
769-AGQ260A1H	AGQ260A1H	F	2 Form C	1.5	SMD A TYPE				
769-AGQ260A03	AGQ260A03	F	2 Form C	3	SMD A TYPE				
769-AGQ260A06	AGQ260A06	F	2 Form C	6	SMD A TYPE				
769-AGQ260A12	AGQ260A12	F	2 Form C	12	SMD A TYPE				
769-AGQ260A24	AGQ260A24	F	2 Form C	24	SMD A TYPE				

HE RELAYS

Features:

- 35A/48A current at 250VAC achieved in compact size (L: 33 x W: 38 x H: 36.3mm)
- High insulation and 10,000V surge breakdown voltage (between contacts and coil) achieved

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Contact Arrangement	Coil Voltage (VDC)	Price Each			
					1	25	50	100
769-HE1AN-P-DC6V-Y5	HE1AN-P-DC6V-Y5	G	1 Form A	6				
769-HE1AN-P-DC9V-Y5	HE1AN-P-DC9V-Y5	G	1 Form A	9				
769-HE1AN-P-DC12V-Y5	HE1AN-P-DC12V-Y5	G	1 Form A	12				
769-HE1AN-P-DC24V-Y5	HE1AN-P-DC24V-Y5	G	1 Form A	24				

DIMENSIONS: mm

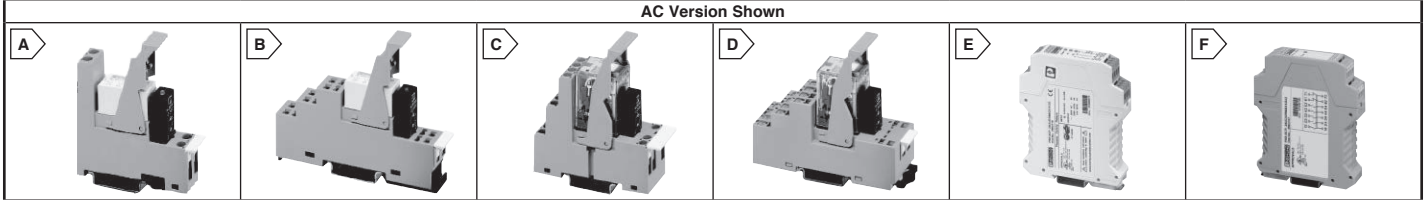
1

2

General Purpose Relays Panasonic

PHOENIX CONTACT DIN Rail Relays

AC Version Shown



PR1 SERIES DIN RAIL RELAYS

Features:

- Fully assembled relays: includes relay, base, protection circuit, locking/ejection lever
- Connection type: Screw or Spring
- Solid State Relays
- Service friendly pluggable components
- LED indication

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Input Voltage	Continuous Current	Contact Type	Max Switching Voltage	Protective Circuit Type	Price Each		
Mfr.	Mfr. Part No.								1	10	100
Screw Cage Connection											
651—2834326		PRI-RSC3-LDP-24DC/21	A	24V DC	12A	SPDT	250V AC/DC	status LED and free-wheeling diode			
651—2834339		PRI-RSC3-LV-24AC/21	A	24V AC	12A	SPDT	250V AC/DC	status LED and varistor			
651—2834342		PRI-RSC3-LV-120AC/21	A	120V AC	12A	SPDT	250V AC/DC	status LED and varistor			
651—2834481		PRI-RSC3-LDP-24DC/2X21	A	24V DC	8A	DPDT	250V AC/DC	status LED and free-wheeling diode			
651—2834494		PRI-RSC3-LV-24AC/2X21	A	24V AC	8A	DPDT	250V AC/DC	status LED and varistor			
651—2834504		PRI-RSC3-LV-120AC/2X21	A	120V AC	8A	DPDT	250V AC/DC	status LED and varistor			
651—2834517		PRI-RSC3-LV-230AC/2X21	A	230V AC	8A	DPDT	250V AC/DC	status LED and varistor			
Screw Cage Connection - Gold Plated Contact											
651—2834368		PRI-RSC3-LDP-24DC/21AU	A	24V DC	50mA	SPDT	30V AC/36V DC	status LED and free-wheeling diode			
651—2834397		PRI-RSC3-LV-230AC/21AU	A	230V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor			
651—2834520		PRI-RSC3-LDP-24DC/2X21AU	A	24V DC	50mA	DPDT	30V AC/36V DC	status LED and free-wheeling diode			
651—2834533		PRI-RSC3-LV-24AC/2X21AU	A	24V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor			
651—2834546		PRI-RSC3-LV-120AC/2X21AU	A	120V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor			
Spring Cage Connection											
651—2834407		PRI-RSP3-LDP-24DC/21	B	24V DC	10A	SPDT	250V AC/DC	status LED and free-wheeling diode			
651—2834410		PRI-RSP3-LV-24AC/21	B	24V AC	10A	SPDT	250V AC/DC	status LED and varistor			
651—2834423		PRI-RSP3-LV-120AC/21	B	120V AC	10A	SPDT	250V AC/DC	status LED and varistor			
651—2834436		PRI-RSP3-LV-230AC/21	B	230V AC	10A	SPDT	250V AC/DC	status LED and varistor			
651—2834562		PRI-RSP3-LDP-24DC/2X21	B	24V DC	8A	DPDT	250V AC/DC	status LED and free-wheeling diode			
651—2834591		PRI-RSP3-LV-230AC/2X21	B	230V AC	8A	DPDT	250V AC/DC	status LED and varistor			
Spring Cage Connection - Gold Plated Contact											
651—2834465		PRI-RSP3-LV-120AC/21AU	B	120V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor			
651—2834478		PRI-RSP3-LV-230AC/21AU	B	230V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor			
651—2834601		PRI-RSP3-LDP-24DC/2X21AU	B	24V DC	50mA	DPDT	30V AC/36V DC	status LED and free-wheeling diode			

PR2 SERIES DIN RAIL RELAYS

Features:

- Fully assembled relays: includes relay, base, protection circuit, locking/ejection lever
- Connection type: Screw or Spring
- Industrial "ice cube" style relay
- Manual test button
- Service friendly pluggable components
- LED indication

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Input Voltage	Continuous Current	Contact Type	Max Switching Voltage	Protective Circuit Type	Price Each		
Mfr.	Mfr. Part No.								1	10	100
Screw Cage Connection											
651—2834643		PR2-RSC3-LDP-24DC/2X21	C	24V DC	10A	DPDT	250V AC/125V DC	status LED and free-wheeling diode			
651—2834669		PR2-RSC3-LV-120AC/2X21	C	120V AC	10A	DPDT	250V AC/125V DC	status LED and varistor			
Screw Cage Connection - Gold Plated Contacts											
651—2834724		PR2-RSC3-LDP-24DC/4X21AU	C	24V DC	5A	4PDT	250V AC/125V DC	status LED and free-wheeling diode			
651—2834737		PR2-RSC3-LV-24AC/4X21AU	C	24V AC	5A	4PDT	250V AC/125V DC	status LED and varistor			
651—2834740		PR2-RSC3-LV-120AC/4X21AU	C	120V AC	5A	4PDT	250V AC/125V DC	status LED and varistor			
Spring Cage Connection											
651—2834685		PR2-RSP3-LDP-24DC/2X21	D	24V DC	10A	DPDT	250V AC/125V DC	status LED and free-wheeling diode			
651—2834698		PR2-RSP3-LV-24AC/2X21	D	24V AC	10A	DPDT	250V AC/125V DC	status LED and varistor			
651—2834708		PR2-RSP3-LV-120AC/2X21	D	120V AC	10A	DPDT	250V AC/125V DC	status LED and varistor			
Spring Cage Connection - Gold Plated Contacts											
651—2834766		PR2-RSP3-LDP-24DC/4X21AU	D	24V DC	5A	4PDT	250V AC/125V DC	status LED and free-wheeling diode			

PSR DIN RAIL SAFETY RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Cont. Current	Description	Price Each
Mfr.	Mfr. Part No.							
651—2986960		E	PSR-SCP-24DC/FSP/2X1/1x2	Cat 4. (EN 13849-1)	2 N/O, 1 NC	-----	Safe coupling relay for SIL3 high and low demand applications	
651—2986957		E	PSR-SPP-24DC/FSP/2X1/1x2	Cat 4. (EN 13849-1)	2 N/O, 1 NC	-----	Safe coupling relay for SIL3 high and low demand applications	
651—2986575		E	PSR-SCP-24DC/FSP2/2X1/1x2	Cat 4. (EN 13849-1)	2 N/O, 1 NC	-----	Safe coupling relay for SIL2 high and low demand applications	
651—2986588		E	PSR-SPP-24DC/FSP2/2X1/1x2	Cat 4. (EN 13849-1)	2 N/O, 1 NC	-----	Safe coupling relay for SIL2 high and low demand applications	
651—2963718		E	PSR-SCP-24UC/ESM4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual	1 or 2-channel for normally closed emergency stop and safety doors	
651—2963750		E	PSR-SCP-24UC/ESA4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual/Auto	1 or 2-channel for normally closed emergency stop and safety doors	
651—2963776		E	PSR-SCP-24UC/ESM4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual	1 or 2-channel for normally closed emergency stop and safety doors	
651—2963763		E	PSR-SCP-24UC/ESA4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual/Auto	1 or 2-channel for normally closed emergency stop and safety doors	
651—2963802		E	PSR-SCP-24UC/ESA2/4X1/1X2/B	Cat. 2 (EN954-1)	4 N/O, 1 N/C	Manual/Auto	1 channel for normally closed emergency stop and safety doors	
651—2963721		E	PSR-SCP-24UC/THC4/2X1/1X2	Cat. 4 (EN954-1)	2 N/O, 1 N/C	Auto	2 channel two hand control and safety door	
651—2981114		E	PSR-SCP-24-230UC/ESAM4/3X1/1X2	Cat. 4 (EN 954-1)	3 NO, 1NC	Manual/Auto	1 or 2-channel for emergency stop and safety doors, and solid state	
651—2981428		E	PSR-SCP-24UC/ESD/5X1/1X2/300	Cat. 3/4 (EN 954-1)	3NO,2NO,1NC	Manual/Auto	2 channel emergency stop, safety door, solid state	
651—2981033		E	PSR-SCP-24UC/URM4/5X1/2X2/B	Cat. 4 (EN 954-1)	5N/O, 2N/C	-----	1 channel 24V expansion module	
651—2963747		F	PSR-SCP-24UC/URM/5X1/2X2	Type A (EN50-205)	5N/O, 2N/C	-----	Force guided relay, green housing	
651—2981363		F	PSR-SCP-24UC/URM/2X21	Type C (EN50-205)	DPDT	-----	24V Force guided relay	
651—2981444		F	PSR-SCP-24UC/URM/4X1/2X2	Type A (EN50-205)	4N/O, 2N/C	-----	Force guided relay, 24V coil	

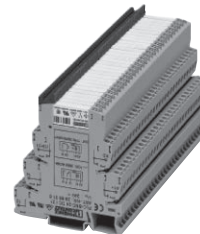
PHOENIX CONTACT DIN Rail Relays



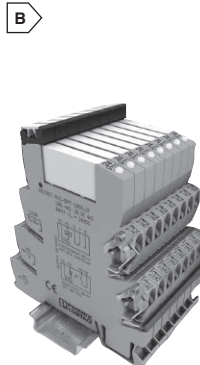
PLC SERIES DIN RAIL RELAYS

For quantities greater than listed, call for quote.

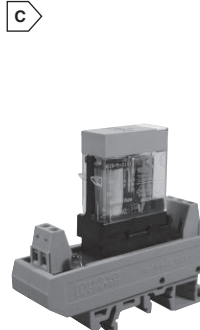
MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Contact Material	Description	Price Each	
Mfr.	Mfr. Part No.							1	10
Universal PLC Series with Pluggable Relay									
651—2966906		A	PLC-RSC-12DC/21	12VDC	SPDT	AgSnO	Standard Power Contact		
651—2966171		A	PLC-RSC-24DC/21	24VDC	SPDT	AgSnO	Standard Power Contact		
651—2966184		A	PLC-RSC-24UC/21	24V AC/DC	SPDT	AgSnO	Standard Power Contact		
651—2966197		A	PLC-RSC-120UC/21	120VAC	SPDT	AgSnO	Standard Power Contact		
651—2967060		A	PLC-RSC-24DC/21-21	24VDC	DPDT	AgNi	Standard Power Contact		
651—2967073		A	PLC-RSC-24UC/21-21	24V AC/DC	DPDT	AgNi	Standard Power Contact		
651—2967086		A	PLC-RSC-120UC/21-21	120VAC	DPDT	AgNi	Standard Power Contact		
651—2966265		A	PLC-RSC-24DC/21AU	24VDC	SPDT	Ag+Au	Multi-Layer Contact		
651—2966278		A	PLC-RSC-24UC/21AU	24V AC/DC	SPDT	Ag+Au	Multi-Layer Contact		
651—2966281		A	PLC-RSC-120UC/21AU	120VAC	SPDT	Ag+Au	Multi-Layer Contact		
651—2967125		A	PLC-RSC-24DC/21-21AU	24VDC	DPDT	AgNi+Au	Multi-Layer Contact		
651—2967604		A	PLC-RSC-24DC/11C/ACT	24VDC	1 N/O	AgSnO	High Inrush Current (80A)		
651—2967617		A	PLC-RSC-12DC/21HC	12VDC	SPDT	AgNi	High Continuous Current (10A)		
651—2967620		A	PLC-RSC-24DC/21HC	24V	SPDT	AgNi	High Continuous Current (10A)		
651—2966210		A	PLC-RSC-24DC/1/ACT	24VDC	1 N/O	AgSnO	Actuator Type (6A)		
651—2967109		A	PLC-RSC-24DC/1-1/ACT	24VDC	2 N/O	AgNi	Actuator Type (6A)		
651—5603154		A	PLC-RSC-24DC/21 C1D2	24VDC	SPDT	AgSnO	Class 1, Division 2 Rated		
651—5603157		A	PLC-RSC-120UC/21 C1D2	120VAC	SPDT	AgSnO	Class 1, Division 2 Rated		



Universal PLC Series with Pluggable Optocoupler									
651—2966634		A	PLC-OSC-24DC/24DC/2	24VDC	OPTO	----	33 VDC Max Switching (3A)		
651—2966650		A	PLC-OSC-120UC/24DC/2	120VAC	OPTO	----	33 VDC Max Switching (3A)		
651—2966676		A	PLC-OSC-24DC/24DC/2/ACT	24VDC	OPTO	----	33 VDC Max Switching, Actuator		
651—2966728		A	PLC-OSC-24DC/48DC/100	24VDC	OPTO	----	48 VDC Max Switching (100mA)		
651—2966744		A	PLC-OSC-120UC/48DC/100	120VAC	OPTO	----	48 VDC Max Switching (100mA)		



Universal PLC Series with Push-In Relay									
651—2900316		B	PLC-RPT- 12DC/21	12VDC	DPDT	AgSnO	Standard Power Contact		
651—2900299		B	PLC-RPT- 24DC/21	24VDC	SPDT	AgSnO	Standard Power Contact		
651—2900300		B	PLC-RPT- 24UC/21	24VAC/DC	SPDT	AgSnO	Standard Power Contact		
651—2900301		B	PLC-RPT- 48DC/21	48VDC	SPDT	AgSnO	Standard Power Contact		
651—2900303		B	PLC-RPT- 60DC/21	60VDC	SPDT	AgSnO	Standard Power Contact		
651—2900304		B	PLC-RPT-120UC/21	120VAC	SPDT	AgSnO	Standard Power Contact		
651—2900305		B	PLC-RPT-230UC/21	230VAC	SPDT	AgSnO	Standard Power Contact		
651—2900317		B	PLC-RPT- 12DC/21AU	12VDC	DPDT	AgSnO+Au	Multi-Layer Contact		
651—2900306		B	PLC-RPT- 24DC/21AU	24VDC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900307		B	PLC-RPT- 24UC/21AU	24VAC/DC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900308		B	PLC-RPT- 48DC/21AU	48VDC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900309		B	PLC-RPT- 60DC/21AU	60VDC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900310		B	PLC-RPT-120UC/21AU	120VAC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900311		B	PLC-RPT-230UC/21AU	230VAC	SPDT	AgSnO+Au	Multi-Layer Contact		
651—2900312		B	PLC-RPT- 24DC/1/ACT	24VDC	1 N/O	AgSnO	Actuator Type (6A)		
651—2900313		B	PLC-RPT- 24DC/1AU/SEN	24VDC	1 N/O	AgSnO+Au	Sensor Interface		
651—2900314		B	PLC-RPT-120UC/1AU/SEN	120VAC	1 N/O	AgSnO+Au	Sensor Interface		
651—2900315		B	PLC-RPT-230UC/1AU/SEN	230VAC	1 N/O	AgSnO+Au	Sensor Interface		



Universal PLC Series with Push-In Optocoupler									
651—2900364		B	PLC-OPT- 24DC/ 24DC/2	24VDC	OPTO	----	33VDC Max Switching (3A)		
651—2900365		B	PLC-OPT- 48DC/ 24DC/2	48VDC	OPTO	----	33VDC Max Switching (3A)		
651—2900366		B	PLC-OPT- 60DC/ 24DC/2	60VDC	OPTO	----	33VDC Max Switching (3A)		
651—2900367		B	PLC-OPT-120UC/ 24DC/2	120VAC	OPTO	----	33VDC Max Switching (3A)		
651—2900368		B	PLC-OPT-230UC/ 24DC/2	230VAC	OPTO	----	33VDC Max Switching (3A)		
651—2900352		B	PLC-OPT- 24DC/ 48DC/100	24VDC	OPTO	----	48VDC Max Switching (100mA)		
651—2900353		B	PLC-OPT- 48DC/ 48DC/100	48VDC	OPTO	----	48VDC Max Switching (100mA)		
651—2900354		B	PLC-OPT- 60DC/ 48DC/100	60VDC	OPTO	----	48VDC Max Switching (100mA)		
651—2900355		B	PLC-OPT-120UC/ 48DC/100	120VAC	OPTO	----	48VDC Max Switching (100mA)		
651—2900356		B	PLC-OPT-230UC/ 48DC/100	230VAC	OPTO	----	48VDC Max Switching (100mA)		
651—2900369		B	PLC-OPT- 24DC/230AC/1	24VDC	OPTO	----	24-253VAC Max Switching (0.75A)		
651—2900370		B	PLC-OPT- 48DC/230AC/1	48VDC	OPTO	----	24-253VAC Max Switching (0.75A)		
651—2900371		B	PLC-OPT- 60DC/230AC/1	60VDC	OPTO	----	24-253VAC Max Switching (0.75A)		
651—2900372		B	PLC-OPT-120UC/230AC/1	120VAC	OPTO	----	24-253VAC Max Switching (0.75A)		
651—2900374		B	PLC-OPT-230UC/230AC/1	230VAC	OPTO	----	24-253VAC Max Switching (0.75A)		
651—2900375		B	PLC-OPT- 5DC/ 24DC/2/ACT	5VDC	OPTO	----	33VDC Max Switching Actuator		
651—2900376		B	PLC-OPT- 24DC/ 24DC/2/ACT	24VDC	OPTO	----	33VDC Max Switching Actuator		
651—2900358		B	PLC-OPT- 24DC/ 48DC/100/SEN	24VDC	OPTO	----	48VDC Max Switching Sensor		
651—2900359		B	PLC-OPT-120UC/ 48DC/100/SEN	24VDC	OPTO	----	48VDC Max Switching Sensor		
651—2900361		B	PLC-OPT-230UC/ 48DC/100/SEN	24VDC	OPTO	----	48VDC Max Switching Sensor		

PLC Series DIN Rail Relay Accessories									
651—2966508		---	PLC-ESK GY	---	---	---	Gray Power Feed Thru Terminal Block (32A)		
651—2966841		---	PLC-ATP BK	---	---	---	Black Separation Plate		
651—2295554		---	PLC-V8/FLK 14/OUT	---	---	---	Rapid Output Plug Adapter to 14 Pin Ribbon Connection		
651—2966692		---	FBST 500-PLC BU	---	---	---	Blue Continuous Plug-In Bridge (500mm Long)		
651—2966786		---	FBST 500-PLC RD	---	---	---	Red Continuous Plug-In Bridge (500mm Long)		
651—2966838		---	FBST 500-PLC GY	---	---	---	Gray Continuous Plug-In Bridge (500mm Long)		
651—1051003		---	ZB 6:UNBEDRUCT	---	---	---	ZB 6 Unprinted Marker Strip 10 section		

UMK 22 PLUGGABLE DIN RAIL POWER RELAY MODULES

Features:

- Modules comes with a installed pluggable relay
- Standard relay socket installed on module
- Terminal Block has screw clamp contacts
- Modules have a coil indicator LED
- Relays are easily replaced without wiring being removed
- Built in dampening diode circuit for DC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Cont. Current	Description	Price Each	
Mfr.	Mfr. Part No.							1	10
651—5520695		C	UMK 22 REL 24/21-ST	24VDC	SPDT	10A	Pluggable Relay with Mounting Base		
651—5520734		C	UMK 22 REL 24/21-21-ST	24VDC	DPDT	5A	Pluggable Relay with Mounting Base		



ELECTRONIC LOAD RELAY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Cont. Current	Description	Price Each	
Mfr.	Mfr. Part No.							1	10
651—2297138		D	ELR 1-24DC/600AC/20	24VDC	20A	20A	Single phase		
651—2297154		D	ELR 1-24DC/600AC/30	24VDC	30A	30A	Single phase		

TE High Performance Relays

HIGH CURRENT RELAY (HCR) 200

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage (VDC)	Current Rating (A)	Coil Res. (Ω)	Contact Arrangement	Enclosure	Price Each	
								1	5
655-V23230D2001B200	1414995-0	A	12	175	43	1 Form B, 1NC	IP64		

1/5 SIZE LOW SIGNAL RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Input Voltage (VDC)	Current Rating (A)	Coil Res. (Ω)	Contact Arrangement	Mounting Type	Approved Standards	Price Each	
									1	5
655-3SBC2002A2	1-1617073-4	B	26.5	2	1350	2 Form C, DPDT, 2 C/O	PC	P		

1/2 SIZE CRYSTAL CAN RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Input Voltage (VDC)	Current Rating (A)	Coil Res. (Ω)	Contact Arrangement	Mounting Type	Approved Standards	Price Each	
									1	5
655-HFW1131K04M	3-1617029-3	C	26.5	2	700	2 Form C, DPDT, 2 C/O	Chassis	-		
655-HFW1201G01M	2-1617030-7	C	12	2	900	2 Form C, DPDT, 2 C/O	PC	M		
655-HFW1201K45	2-1617031-0	C	26.5	2	700	2 Form C, DPDT, 2 C/O	PC	L		
655-HFW1201K45M	2-1617031-1	C	26.5	2	700	2 Form C, DPDT, 2 C/O	PC	M		
655-HFW1201K45P	2-1617031-2	C	26.5	2	700	2 Form C, DPDT, 2 C/O	PC	P		
655-HFW1201K46	2-1617031-3	C	26.5	2	700	2 Form C, DPDT, 2 C/O	PC	L		
655-HFW1201K46M	2-1617031-4	C	26.5	2	700	2 Form C, DPDT, 2 C/O	PC	M		
655-HFW1230K06	2-1617033-9	C	26.5	2	700	2 Form C, DPDT, 2 C/O	Chassis	L		
655-HFW5A1201K00	1617037-9	C	26.5	5	700	2 Form C, DPDT, 2 C/O	PC	-		

FULL SIZE CRYSTAL CAN RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Input Voltage (VDC)	Current Rating (A)	Coil Res. (Ω)	Contact Arrangement	Mounting Type	Price Each	
								1	5
655-B07D634BC2-0051	2-1617004-8	D	26.5	10	300	2 Form C, DPDT, 2 C/O	Socket		
655-B07D692BZ2-0011	3-1617004-2	D	26.5	10	300	2 Form C, DPDT, 2 C/O	Chassis		
655-B07D932BC2-0348	4-1617004-0	D	26.5	10	300	2 Form C, DPDT, 2 C/O	Panel		

FCA STANDARD MID-RANGE RELAYS

* With coil suppression diode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage (VDC)	Current Rating (A)	Terminal Configuration	Contact Arrangement	Mounting Type	Price Each	
								1	5
* 655-FCA-210-1027M	2-1617749-5	D	28	10	Solder Pins	2 Form C, DPDT, 2 C/O	Side		
655-FCA-410-1622M	2-1617754-1	D	28	10	Socket Pins	4 Form C, 4PDT, 4 C/O	Bottom		

FCB COMPACT MID-RANGE RELAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage (VDC)	Current Rating (A)	Terminal Configuration	Contact Arrangement	Mounting Type	Price Each	
								1	5
655-FCB-205-0224M	5-1617758-0	D	28	5	Socket Pins	2 Form C, DPDT, 2 C/O	Bottom		
655-FCB-205-0228M	5-1617758-4	D	28	5	Socket Pins	2 Form C, DPDT, 2 C/O	Track		
655-FCB-405-0622M	8-1617760-3	D	28	5	Socket Pins	4 Form C, 4PDT, 4 C/O	Bottom		

TO-5 LOW SIGNAL RELAY

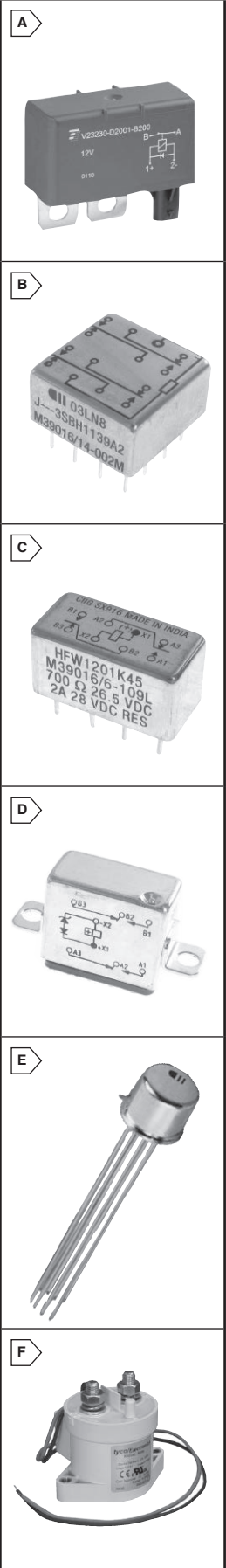
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Input Voltage (VDC)	Current Rating (A)	Coil Res. (Ω)	Contact Arrangement	Mounting Type	Approved Standards	Price Each	
									1	5
655-JMAC-26XP	1-1617121-1	E	26.5	1	1560	2 Form C, DPDT, 2 C/O	PC	P		

HIGH PERFORMANCE CONTACTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage (VDC)	Current Rating (A)	Contact Arrangement	Mounting Type	Price Each	
							1	5
655-LEV100A5ANG	9-1618389-8	F	24	100	1 Form X, SPST-NO-DM	Bottom		
655-LEV200A4ANA	1618387-3	F	12	500	1 Form A, SPST-NO	Bottom		
655-LEV200A5ANA	7-1618387-1	F	24	500	1 Form X, SPST-NO-DM	Bottom		
655-EV200HAANA	1-1618002-8	F	9-36	500	1 Form A, SPST-NO, 1 N/O	Panel		



TE Connectivity General Purpose Relays

VOLTAGE, CURRENT CONTROL RELAYS, ALTERNATING RELAYS AND PHASE MONITORS

Our C-Lynx measurement and control relays are dedicated to monitoring and detecting abnormal electrical (voltage, current, phase, frequency) physical (level, temperature, speed, etc.) operating values.

These products are used in applications such as heating/air conditioning, access control, heat pumps, water and air treatment, waste treatment, lifting and handling, medical equipment, pump management, and more.

CURRENT RELAYS

Features:

- Control of AC and DC currents
- Automatic recognition of AC/DC
- Measurement ranges from 2mA to 10A
- Choice between over and undercurrent
- True RMS measurement
- Selectable latching (memory) function

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Supply Voltage	Mounting	Price Each
EI Series Current Control Relay					
874-84871033	84871033	A	120VAC	Din-Rail	
HIL & HIH Series Current Control Relay					
874-84871120	84871120	B	24-240VAC	Din-Rail	
874-84871130	84871130	C	24-240VAC	Din-Rail	

MIC Series Current Control Relay

- Choice of output relay action
- True RMS measurement
- Built-in current transformer

For quantities greater than listed, call for a quote.

MIC Series Current Control Relay					
874-84871122	84871122	D	24-240VAC	Din-Rail	
IR.T Series Current Control Relay					
874-DIRT110A	DIRT110A	E	110VAC	Din rail	
874-LIRT110A	LIRT110A	E	110VAC	11 pin plug-in	

3-Phase Controls

- Control of 3-phase networks: phase sequence, total phase failure
- Controls its own supply voltage
- Multi-voltage from 3x208 to 3x480V AC
- LED status indication

For quantities greater than listed, call for a quote.

MWU Series 3-Phase Control					
874-84873020	84873020	F	208-480V	Din-Rail	
MWA SERIES 3-Phase Control					
874-84873023	84873023	G	208-480V	Din-Rail	
HWUA Series 3-Phase Control					
874-84873024	84873024	G	220-480V	Din-Rail	
874-84873026	84873026	H	220-480V	Din-Rail	

HSV Speed Control Relay

- Measurement via discrete sensors - 3-wire PNP or NPN, Namur, voltage 0-30V or volt-free contact type
- Control of overspeed, underspeed, operating rate, stopping
- Works with either NO or NC sensors

For quantities greater than listed, call for a quote.

874-84874320	84874320	I	24-240VAC under-over speed mount	Din-Rail	
--------------	----------	---	----------------------------------	----------	--

Voltage Relays

- Control relays monitoring their own power supply
- Over/undervoltage control
- Adjustable time delays
- Selectable latching (memory) function
- Over/undervoltage control
- Control in 50Hz, 60Hz or DC

For quantities greater than listed, call for a quote.

EU Series Voltage Control Relay					
874-84872033	84872033	J	16-600V 120VAC	Din-Rail	
HUL Series Voltage Control Relay					
874-84872120	84872120	C	24-240VAC under-over	Din-Rail	
HUH Series 35mm Voltage Control Relay					
874-84872130	84872130	C	208-480V under-over	Din-Rail	
MUS260 Series Voltage Control					
874-84872142	84872142	K	65-260VAC under-over 110-240VAC	Din-Rail	

HNM Series 35mm Level Control

- Control of one or two levels
- Filling or emptying function
- HNM: Control by a resistive level probe
- HNE: Control by a discrete sensor

For quantities greater than listed, call for a quote.

HNM Series 35mm Level Control					
874-84870700	84870700	L	24-240V	Din-Rail	
ENR Series Level Control					
874-84870203	84870203	M	120VAC	Din-Rail	
ENRM Series level control					
874-84870213	84870213	M	120VAC	Din-Rail	
874-PNR110A	PNR110A	N	110VAC	PCB	
874-PNRU110A	PNRU110A	N	110VAC	PCB	

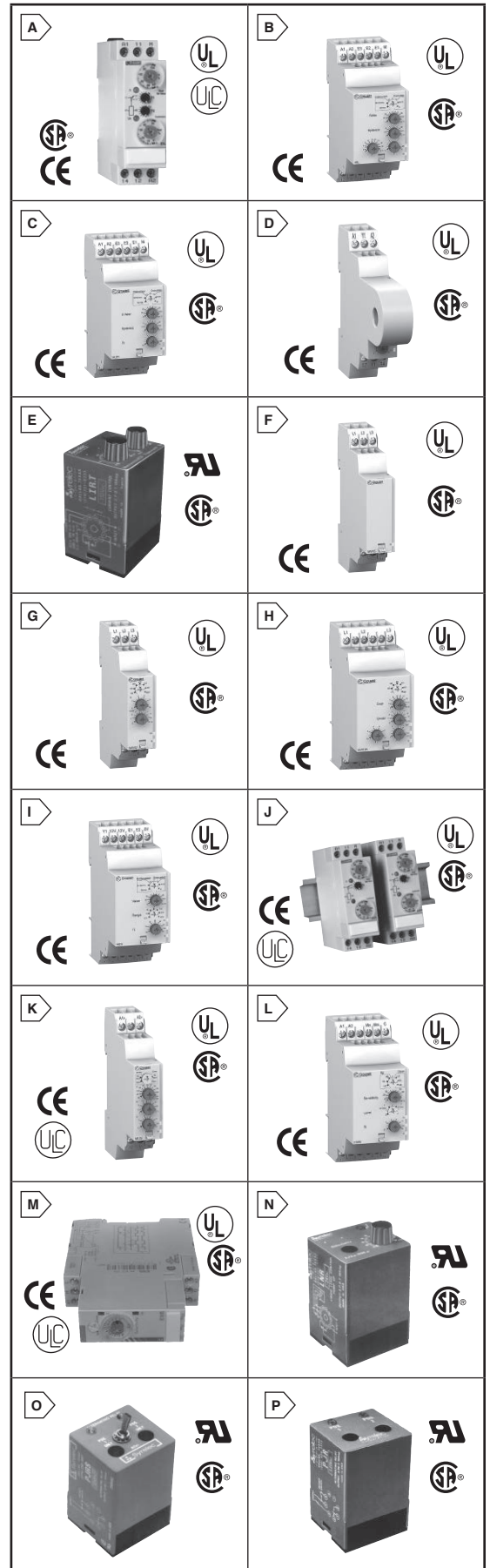
ALTERNATING RELAYS

Features:

- Selection of Lead or Lag Load
- SPDT or DPDT Control Relay
- Externally Controlled
- Duplex Alternating Control
- 10Amp Rated

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Mounting	Contact Rating	Power Consumption	Price Each
JRS Series Alternating Relay with Selector Switch						
874-LJRS2110A	LJRS2110A	O	11-pin plug-in	10A	80W	
JR Series Alternating Relay						
874-PJR110A	PJR110A	O	8-pin plug-in	10A	80W	
JRS Series Alternating Relay with Selector Switch						
874-PJRS110A	PJRS110A	P	8-pin plug-in	10A	80W	



MILLENIUM 3 LOGIC CONTROLLERS

The Millennium 3 is the latest generation of micro-PLCs. It is easy to program (Ladder programming or using function blocks/Graftec SFC), offers communication capabilities (via modem or network, with web supervision option) and has a wide range of accessories (display units, touch panels, sensors, power supplies).

These products are used in applications such as heating/air conditioning, access control, heat pumps, water and air treatment, waste treatment, lifting and handling, medical equipment and pump management.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Supply Voltage	Inputs	Outputs	Price Each
CD12 Type with Display						
874-88970041	88970041	A	24V	8 digital with 4 analogue	4 relays 8A	
874-88970045	88970045	A	12V	8 digital with 4 analogue	4 relays 8A	
CD20 Type with Display						
874-88970051	88970051	A	24V	12 digital w/6 analogue	8 relays 8A	
874-88970053	88970053	A	100-240V	12 digital	8 relays 8A	
CB12 Type without Display						
874-88970021	88970021	B	24V	8 digital with 4 analogue	4 relays 8A	
XD10/XD26 Type with Display						
874-88970161	88970161	C	100-240V	8 digital with 4 analogue	4 relays 8A	
XN05 Type Communication						
874-88970270	88970270	D	24V	Ethernet protocol TCP Modbus	-	
Millenium 3 Accessories						
Description						
874-88970108	88970108			EEPROM Memory cartridge for transferring/saving programs		
874-88970109	88970109			3m USB LINK CABLE : PC => Millennium 3		
874-89750160	89750160			IP67 sealed faceplate (147.5mm)		
874-88950304	88950304			Millenium Power Supply 24VDC 15W .6A		

CTR24 Features:

- Built-in module for voltage inputs 10 → 260 V~ (2224-2324)

CTR48 Features:

- Maximum input frequency 40kHz

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Description	Price Each
Controller 24 Hour Meter Non-backlit Model - LCD 24x48				
874-87622162	87622162	E	2233 NPN Input	
874-87622170	87622170	E	2224 Voltage Input	
Controller 48 Up Counters/Down Counters - 48x48				
874-87621115	87621115	F	1PR Backlit LCD 90-260VAC	
874-87621125	87621125	F	2PR Backlit LCD 90-260VAC	

NNR SERIES LIQUID LEVEL CONTROL PUMP UP OR DOWN SWITCH SELECTABLE

- Sensitivity Adjustment 4.7kΩ to 47kΩ

- 10Amp SPDT Rated

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Supply Voltage	Term. Style	Price Each
874-NNR110A	NNR110A	G		Open PC board 110A VAC	

HOUR COUNTERS 48X48 CHM48

Crouzet, the automation control component manufacturer offers timers for DIN rail mounting (Chronos 2) or panel mounting (TMR48). These timers are mono-function or multifunction. They offer features like delay on energisation, flip-flop, delay/timing on energisation with memory, etc. and offer a wide range of accessories.

These products are used in applications such as heating/air conditioning, access control, heat pumps, water and air treatment, lifting and handling, medical equipment, pump management, and many more.

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Supply Voltage	Term. Style	Price Each
874-99772715	99772715	H	100-264V	Panel	
Accessories for Counters					
Description					
874-26546842	26546842		Adaptor for 72x72mm cut-out		
874-26546845	26546845		DIN rail adaptor		
874-26546846	26546846		Adaptor for 55x55mm cut-out		

88 901 SERIES DELAY ON MAKE TIMER

MOUSER STOCK NO.	Crouzet Part No.	Fig.	Supply Voltage	Term. Style	Price Each
874-88901342	88901342	I	24V	200mA	
Accessories for Counters					
Description					
874-PADAPT	PADAPT		72mmx22.5mm Panel Mount Adapter		

TMR 48 ANALOG TIMERS

874-8886016	8886016	J	250VAC	5A	
874-8886116	8886116	J	250VAC	5A	

DIN-RAIL MOUNTED TIMERS

MOUSER STOCK NO.	Mfr. Part No.	Power Supply	Price Each
874-88826014		24-240V	
874-88826103		12-240V	
874-88826105		24-240V	
874-88826115		24-240V	
874-88826125		24-240V	
874-88826135		24-240V	
874-88826155		24-240V	
874-88865155		24-240V	
874-88865215		24-240V	
874-88865265		24-240V	
874-88865305		24-240V	
874-88867100		24-240V	
874-88867105		24-240V	

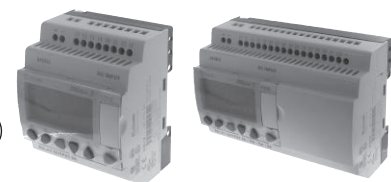
DIN-RAIL MOUNTED TIMERS (CONT.)

MOUSER STOCK NO.	Mfr. Part No.	Power Supply	Price Each
874-88867135		24-240V	
874-88867155		24-240V	
874-88867215		24-240V	
874-88867305		24-240V	
874-88867455		24-240V	
874-88867801		24-240V	

PANEL MOUNTED TIMERS


874-88857005	220/110VAC/24VAC/DC	
874-88857105	220/110VAC/24VAC/DC	
874-88857406	110VAC	
874-88857607	110VAC/24V	

A




UL UIC
SP® CE

B




UL UIC SP® CE

C




UL UIC SP® CE

D




UL UIC SP® CE

E



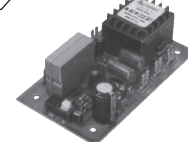
RU C RU US CE

F




RU C RU US CE

G




RU SP®

H




RU C RU US CE

I



UL UIC SP® CE

J



UL UIC
SP® CE



This page of product is compliant.

OMRON ZEN PROGRAMMABLE NANO CONTROLLERS

Nano sized controller has the features and functions of both a programmable controller and smart relay to allow simple yet powerful control. Apply the ZEN to small-scale control applications where simple functionality and low cost are critical. Provides an economical alternative to discrete timers, counters and general purpose relays. Control programs can be created using the 32-bit, Windows-based ZEN support software or using the operation buttons on the front panel. The ZEN is also flexible with five CPU types, multiple expansion options, and a wide selection of accessories.

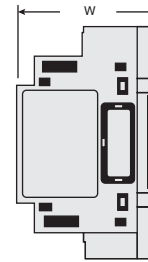
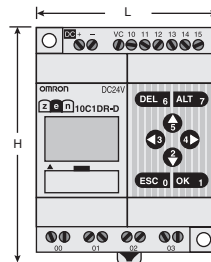
Specifications:

- CPUs have relay outputs
- ZEN support software runs on Windows 95, 98, 2000, ME, XP, or NT 4.0

Features:

- Accurate analog inputs $\pm 1.5\%$ FS
- Wide supply voltage range of 10.8 to 28.8VDC
- Flexible mounting - either horizontal or vertical
- New CPUs with built-in RS-485 communications for data sharing
- Advanced high-value counting with 8-digit counter and 8-digit comparators, in addition to 16 standard counters
- One 150Hz high-speed counter available on models with DC power supply
- Twin-timer operation allows you to set ON and OFF times separately, greatly simplifying intermittent operation
- Password function ensures security
- Display user-set messages or analog-converted values

DIMENSIONS: mm			
	L	W	H
ZEN-10	70.0	56.0	90.0
ZEN-20	122.5	56.0	90.0



CPU

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	No. of I/O Points	Input Voltage	No. of Inputs	No. of Outputs	LCD and Buttons	Calendar and Clock	Analog Input	Price Each			
										1	2	5	10
653-ZEN-10C1AR-A	ZEN-10C1AR-A-V2	LCD	10	100-240VAC	6	4	Yes	Yes	No				
653-ZEN-10C1DR-D2	ZEN-10C1DR-DV2	LCD	10	12-24VDC	6	4	Yes	Yes	Yes				
653-ZEN-20C1AR-A	ZEN-20C1AR-A-V2	LCD	20	100-240VAC	12	8	Yes	Yes	No				
653-ZEN-20C1DR-D2	ZEN-20C1DR-D-V2	LCD	20	12-24VDC	12	8	Yes	Yes	Yes				

Expansion I/O

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Input Voltage	Number of Inputs	Number of Outputs	Price Each			
					1	2	5	10
653-ZEN-8E1DR	ZEN-8E1DR	12-24VDC	4	4				
* 653-ZEN-8E1AR	ZEN-8E1AR	100-240VAC	4	4				

* Cannot be connected to a CPU unit with DC power supply

Supporting Materials

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	2	5	10
653-ZEN-ME01	ZEN-ME01	Memory cassette, copy program to multiple units				
653-ZEN-CIF01	ZEN-CIF01	2m RS-323C connecting cable				
653-ZEN-BAT01	ZEN-BAT01	Battery unit, memory back-up				
653-ZEN-SOFT01-V4	ZEN-SOFT01-V4	ZEN support software				

OMRON ZEN STARTER KIT

ZEN Starter Kit includes CPU unit (ZEN-10C1DR-D-V2), connecting cable, ZEN support software, and manual.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Version	Price Each
653-ZENSTARTER2-V2	ZEN-STARTER-02-V2	DC	

OMRON E5CN SERIES: 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

- Thermocouple input: K, J, T, E, L, U, N, R, S, B
- Voltage input: 0-50mV
- Relay output: SPST-NO, 250VAC, 3A (resistive load), electrical life: 100,000 operations
- Voltage output: 12VDC $\pm 15\%$ (PNP), max. load current: 21mA, with short-circuit protection circuit

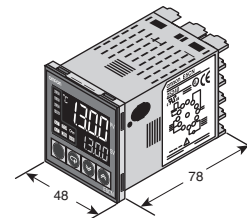
Features:

- Connect to either thermocouple or platinum resistance thermometer with the same model
- Water-resistant construction (NEMA 4X)
- 2 alarms
- 3-year warranty



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
					1	2	5	10
653-E5CN-Q2MT-5AC1	E5CN-Q2MT-500-AC100-240	100-240VAC	No	Voltage				
653-E5CN-R2MT-5AC1	E5CN-R2MT-500-AC100-240	100-240VAC	No	Relay				
653-E5CN-C2MT-5AC1	E5CN-C2MT-500-AC100-240	100-240VAC	No	Current				
653-E5CN-R2MTD500-24	E5CN-R2MTD-500-AC/DC24	24VAC/VDC	No	Relay				



DIMENSIONS: mm

OMRON H7AN SERIES: SOLID STATE DIGITAL COUNTERS

Specifications:

- Power supply voltage: 100-240VAC, 50/60Hz
- Control output: SPDT and solid state output
- Max. counting speed: 30Hz or 5kHz

Features:

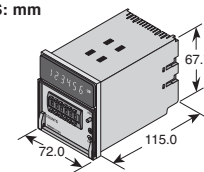
- DIN 72x72mm
- Easy setting with thumbwheel switches
- A draw-out construction enables maintenance without rewiring.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Counting Method	Preset	Memory Backup	Display Zone	Price Each		
						1	2	5
653-H7AN-4DM-AC1	H7AN-4DM-AC100-240	UP or DOWN (selectable)	Single	Provided	4-digit LED			

DIMENSIONS: mm



OMRON H7BX SERIES: MULTIFUNCTION COUNTERS

Specifications:

- External power supply: 12VDC
- Input modes: Increment, decrement, command (UP/DOWN A) Individual (UP/DOWN B) Quadrature (UP/DOWN C)

Features:

- DIN 72x2mm and highly visible display with backlight transmissive LCD
- Selectable display color (red/green) enables checking output status at a distance.
- Easy operation with a key for each digit
- Performs all basic settings with a DIP switch
- Provides a counter (total/preset, batch, and dual) and a tachometer



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Output Type	Type	Price Each		
					1	2	5
653-H7BX-AWAC100240	H7BX-AW AC100240	100 - 240VAC	Contact and NPN transistor output	2-Stage			



DIMENSIONS: mm

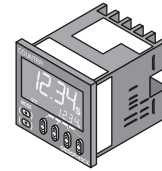
OMRON H7CX-N SERIES: MULTIFUNCTION COUNTER/TACHOMETER

Specifications:

- Body depth
- Screw terminals: 58mm on 12 to 24VDC
78mm on 100 to 240VAC
- Socket models: 63.7mm
- Operating mode: Up/Down key for 4-digit and Up key for 6-digit
- Max. counting speed: 30Hz or 5kHz (switchable)
- Digits: 4-digit (-999 to 9999) / 6-digit (-99999 to 999999)
- UL508 Type 4X and IP66

Features:

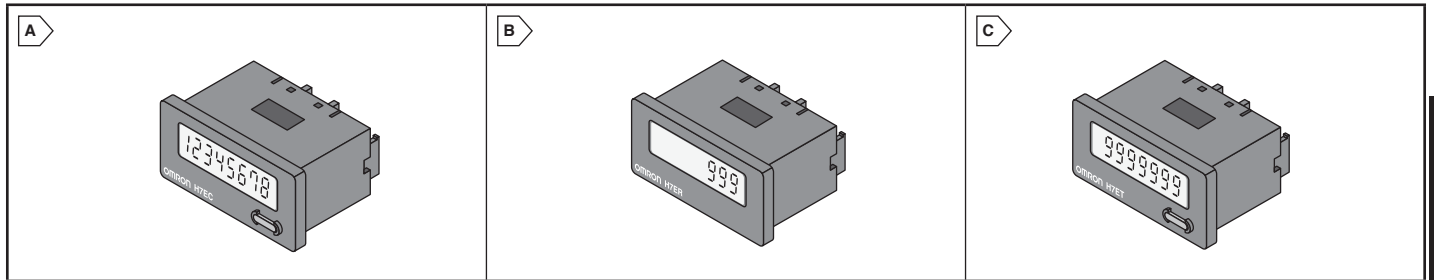
- Ultra short body
- Isolated power supply and input circuits for safety and reliability (except 12 to 24VDC models)
- Set value limit to prevent unexpected operation of output devices caused by setting mistakes
- Easy to read with 12mm values on 4-digit models (10mm for 6-digit)
- Present value display characters can be switched between red, green, and orange in most models.



MOUSER STOCK NO.	Omron Part No.	External Connections	Display Digits	Configuration	Power Supply Voltage	Price Each		
						1	5	10
Standard Type, 1-Stage Setting, Contact Output (SPDT)								
* 653-H7CX-A114NA100240	H7CX-A114-N-AC100-240	11-pin socket	4	1-stage and total preset counter	100 to 240VAC			
* 653-H7CX-A114D1ND14A4	H7CX-A114D1-N-DC12-24/AC24	11-pin socket	4	1-stage and total preset counter	12 to 24VDC			
* 653-H7CX-A11NAC100240	H7CX-A11-N AC100/240	11-pin socket	6	1-stage and total preset counter	100 to 240VAC			
* 653-H7CX-A11D1ND14A24	H7CX-A11D1-N DC12-24/AC24	11-pin socket	4	1-stage and total preset counter	12 to 24VDC/24VAC			
653-H7CX-A4NAC100240	H7CX-A4-N-AC100-240	Screw terminals	4	1-stage and total preset counter	100 to 240VAC			
653-H7CX-A4DNC1224	H7CX-A4D-N-DC12-24	Screw terminals	4	1-stage and total preset counter	12 to 24VDC			
653-H7CX-ANAC100240	H7CX-A-N AC100-240	Screw terminals	6	1-stage and total preset counter	100 to 240VAC			
653-H7CX-ADNC1224	H7CX-AD-N DC12-24	Screw terminals	6	1-stage and total preset counter	12 to 24VDC			
Standard Type, 1-Stage Setting, Transistor Output (SPST)								
653-H7CX-ASNAC100240	H7CX-AS-N-AC100-240	Screw terminals	6	1-stage and total preset counter	100 to 240VAC			
Standard Type, 2-Stage Settings, Contact Output (SPST + SPDT)								
653-H7CX-A4WNAC100240	H7CX-A4W-N-AC100-240	Screw terminals	4	1- or 2-stage, total and preset counter/ batch, dual and twin counter	100 to 240VAC			
653-H7CX-AWNAAC100240	H7CX-AW-N-AC100-240	Screw terminals	6	1- or 2-stage, total and preset counter/ batch, dual and twin counter, tachometer	100 to 240VAC			
653-H7XAWD1NDA14	H7CX-AWD1-N DC12-24 AC24	Screw terminals	6	1- or 2-stage, total and preset counter/ batch, dual and twin counter, tachometer	12 to 24VDC/24VAC			
Accessories								
653-Y92F-30	Y92F-30	Description						
653-P2CF-11	P2CF-11	Flush mounting adapter						
653-P2CF-11-E	P2CF-11-E	11-pin socket, track mounting/front connecting						
653-P3GA-11	P3GA-11	Front-connecting socket (finger-safe type)						
653-PFP-100N	PFP-100N	11-pin track mounting back connecting socket						
653-PFP-M	PFP-M	DIN rail 1m x 7.3mm DIN rail end plate						

* Has only red present value display characters

OMRON H7E SERIES: SELF-POWERED TOTALIZERS



Specifications:

- Input: DC Voltage 4.5 to 30VDC
AC Voltage 24 to 240VAC/VDC
- Mounting method: Flush mounting
- External connections: Screw terminals
- Reset: External/Manual

Features:

- Large display with 8.6mm (0.338in) height
- Replaceable battery
- NEMA 4/IP66 front
- Key-protect switch to prevent front resetting
- Short body, all models have a depth of 48.5mm

H7EC - Total Counters

- Operating mode: Up type
- Eight-digits, counting range 0 to 99999999

H7ER - Tachometers

- Operating mode: Up type
- Revolutions display up to five digits

H7ET - Time Counters

- Operating mode: Accumulating
- Seven digits, time range 0 to 3999d23.9h



MOUSER STOCK NO.	Omron Part No.	Fig.	Count Input	Display	Case Color	Price Each			
						1	5	10	25
H7EC Total Counters, Max. Counting Speed: 30Hz ↔ 1kHz									
653-H7EC-N	H7EC-N	A	No-voltage	7-segment LCD	Light gray				
653-H7EC-N-B	H7EC-N-B	A	No-voltage	7-segment LCD	Black				
653-H7EC-NV	H7EC-NV	A	PNP/NPN universal DC voltage	7-segment LCD	Light gray				
653-H7EC-NV-B	H7EC-NV-B	A	PNP/NPN universal DC voltage	7-segment LCD	Black				
653-H7EC-NVBH	H7EC-NV-BH	A	PNP/NPN universal DC voltage	7-segment LCD with backlight	Black				
H7EC Total Counters, Max. Counting Speed: 20Hz									
653-H7EC-NFV-B	H7EC-NFV-B	A	AC/DC multi-voltage	7-segment LCD	Black				
H7ER Tachometers, Max. Revolutions Displayed: 1000.0s-1 (10 pulse/rev.), 1000.0m-1 (600 pulse/rev.) ↔ 10000m-1 (60 pulse/rev.) (Switchable)									
653-H7ER-NV1-B	H7ER-NV1-B	B	PNP/NPN universal DC voltage	7-segment LCD	Black				
H7ET Counters, Time Range: 999999.9h ↔ 3999d23.9h (Switchable)									
653-H7ET-N-B	H7ET-N-B	C	No-voltage	7-segment LCD	Black				
653-H7ET-NFV-B	H7ET-NFV-B	C	AC/DC multi-voltage	7-segment LCD	Black				
653-H7ET-NV-B	H7ET-NV-B	C	PNP/NPN universal DC voltage	7-segment LCD	Black				
H7ET Counters, Time Range: 999h59m59s ↔ 9999h59.9m (Switchable)									
653-H7ET-N1-B	H7ET-N1-B	C	No-voltage	7-segment LCD	Black				
653-H7ET-NFV1-B	H7ET-NFV1-B	C	AC/DC multi-voltage	7-segment LCD	Black				
653-H7ET-NV1	H7ET-NV1	C	PNP/NPN universal DC voltage	7-segment LCD	Light gray				
653-H7ET-NV1-B	H7ET-NV1-B	C	PNP/NPN universal DC voltage	7-segment LCD	Black				
Accessories						1	10	50	100
653-Y92F-75	Y92F-75	-	Panel adapter (26x45mm) used with mounting bracket provided with counter						
614-CR2477N	CR2477NTS	-	Replacement battery, 3V lithium button cell						

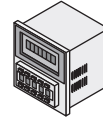
OMRON H3CA SERIES: 1/16 DIN DIGITAL-SET, SOLID STATE TIMERS

Specifications:

- Minimum applicable load:
H3CA-A 10mA @ 5VDC
H3CA-8H 100mA @ 5VDC
- Mounting: Surface/track or flush
- Service life:
Mechanical 10,000,000 operations min.
Electrical 100,000 operations min.
- Time limit contact: SPDT

Features:

- Dual power supplies for free AC/DC
- Eight operation modes selectable with one unit
- Any desired time can be set digitally within a range from 0.1 seconds to 9,990 hours
- Four external signal inputs
- ON/OFF indicator for control output and bar indicator for remaining time



Operating Modes			
A: ON-delay	E: Interval		
B: Repeat cycle	F: One shot flicker		
C: Signal ON/OFF-delay	G: Signal ON/OFF-delay		
D: Signal OFF-delay	H: Signal OFF-delay		



MOUSER STOCK NO.	Omron Part No.	Rated Supply Voltage	Terminal Form	Operating Modes (See table above)	Price Each		
					1	5	10
653-H3CA-8H-AC100	H3CA-8H-AC100/110/120	100/110/120VAC 50/60Hz	8-pin round	A			
653-H3CA-A	H3CA-A	24-240VAC 50/60Hz, 12-240VDC	11-pin round	A, B, C, D, E, F, G, H			

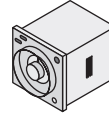
OMRON H3CR SERIES: SOLID STATE TIMERS

Specifications:

- Dimensions: 48x48mm
- Mounting: DIN
- Relay output: DPDT
- Input type:
H3CR-A No-voltage (NPN type)
H3CR-AP Voltage (PNP type)
H3CR-H/F Without reset

Features:

- Ecological design with reduced current consumption
- Long power OFF-delay times
- Easy sequence check with instantaneous outputs for a zero set value



Operating Modes			
A: ON-delay	D: Signal OFF-delay		
B: Flicker OFF start	E: Interval		
B2: Flicker ON start	J: One-shot		
C: Signal ON/OFF-delay	K: Power OFF-delay		



* Relay output (SPDT) with instantaneous relay output (SPDT) and time-limit contact and instantaneous contact

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Terminal Form	Time Range	Operating Modes (See table above)	Price Each		
						1	5	10
Multi-Function								
653-H3CRA8-AC2448	H3CR-A8AC24-48/DC12-48	24-48VAC/12-48VDC	8-pin round	0.05s-300h	A, B2, E, J			
653-H3CRA8-AC1	H3CR-A8-AC100-240/DC100-125	100-240VAC/100-125VDC	8-pin round	0.05s-300h	A, B2, E, J			
* 653-H3CRA8EAC	H3CR-A8E AC100-240/DC100-125	100-240VAC/100-125VDC	8-pin round	0.05s-300h	A, B2, E, J			
653-H3CRA-24	H3CR-A-AC24-48/DC12-48	24-48VAC/12-48VDC	11-pin round	0.05s-300h	A, B, B2, C, D, E			
653-H3CRA-AC1	H3CR-A-AC100-240/DC100-125	100-240VAC/100-125VDC	11-pin round	0.05s-300h	A, B, B2, C, D, E			
653-H3CRAA2448D1248	H3CR-AP AC24-48/DC12-48	24-48VAC/12-48VDC	11-pin round	0.05s-300h	A, B, B2, C, D, E			
653-H3A100240D100125	H3CR-AP AC100-240/DC100-125	100-240VAC/100-125VDC	11-pin round	0.05s-300h	A, B, B2, C, D, E			
Power OFF-Delay								
653-H3CR-H8LAC/DC24S	H3CR-H8L-AC/DC24(S)	24VAC/DC	8-pin round	0.05-12s	K			
653-H3CRH8LAC200240M	H3CR-H8L AC200-240 M	200-240VAC	8-pin round	0.05-12m	K			
Twin								
653-H3CRF8AC100240	H3CR-F8-AC100-240	100-240VAC	8-pin round	0.05s-30h	B			
653-H3CR-F8N	H3CR-F8N AC100-240	100-240VAC	8-pin round	0.05s-30h	B2			
653-H3CRF8AC100/240	H3CR-F8-300-AC100/240	100-240VAC	8-pin round	1.2s-300h	B			

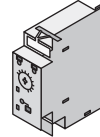
OMRON H3DS SERIES: ANALOG-SET, ULTRA-SLIM TIMERS

Specifications:

- Rated supply voltage: 24 to 230VAC (50/60 Hz) 24 to 48VDC
- Control output: 5A at 250VAC with resistive load (cosφ = 1); 5A at 30VDC with resistive
- Service life:
Mechanical 10,000,000 operations min.
Electrical 100,000 operations min.
- Output type: Relay SPDT
- Terminal type: Screw

Features:

- Analog set multi-function
- Ultra-slim 17.5mm timers for track mounting
- Wide AC/DC power supply range
- Smart Dial/Selector-Locking Mechanism prevents the dials and selectors on the timer's front panel from being operated without authorization (lock can only be unlocked and locked with an optional pen-type lock key)



Operating Modes			
A: ON-delay	D: Signal OFF-delay		
B: Repeat cycle	E: Interval		
B2: Repeat-cycle ON-start	G: Signal ON/OFF-delay		
C: Signal ON/OFF-delay	J: One-shot		



MOUSER STOCK NO.	Omron Part No.	Input	Operating Modes (See table above)	Price Each		
				1	5	10
Multi-Function						
653-H3DMLAC242302448	H3DS-ML AC24-230/DC24-48	Voltage	A, B, B2, C, D, E, G, J			
Standard						
653-H3DSLAC24230D2448	H3DS-SL AC24-230/DC24-48	No input available	A, B2, E, J			
Single-Function						
653-H3DALAC242302448	H3DS-AL AC24-230/DC24-48	No input available	A (fixed)			

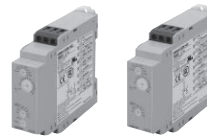
OMRON H3DK SERIES: MULTI-RANGE, MULTI-MODE TIMERS

Specifications:

- Supply voltage: 24-240VAC/DC
- Terminal block:
H3DK-S1 6 terminals
H3DK-M1(2) 9 terminals
- Mounting: DIN
- Service life:
Mechanical 10,000,000 operations min.
Electrical 100,000 operations min.

Features:

- Multiple time ranges and operating modes let you cover a wide range of applications
- The time-limit DPDT output contacts can be changed to time-limit SPDT and instantaneous SPDT output contacts using a switch
- Sequence checks are easily performed by setting an instantaneous output to 0
- Start signal control for the H3DK-M

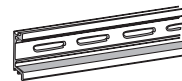


Operating Modes			
A: ON-delay	D: Signal OFF-delay		
B: Flicker OFF-start	E: Interval		
B2: Flicker ON-start	G: Signal ON/OFF-delay		
C: Signal ON/OFF-delay	J: One-shot Output		



MOUSER STOCK NO.	Omron Part No.	Contact Output	Operating Modes (See table above)	Price Each		
				1	5	10
653-H3DKS1ACDC24240	H3DK-S1 AC/DC24-240	SPDT	A, B2, E, J			
653-H3DKM1ACDC24240	H3DK-M1 AC/DC24-240	SPDT	A, B, B2, C, D, E, G, J			
653-H3DKM2ACDC24240	H3DK-M2 AC/DC24-240	DPDT	A, B, B2, C, D, E, G, J			

OMRON ACCESSORIES FOR TIMERS



MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	5	10
Sockets and Adaptors (for use with H3CA and H3CR Series)					
653-P2CF-08	P2CF-08	8-pin round socket, bottom surface or track mounting, top screw terminals			
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals			
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-30, bottom screw terminals			
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals			
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use with P3G sockets			
DIN Rails and Accessories					
653-PFP-50N	PFP-50N	DIN rail mounting track, 50cm (l) x 7.3mm (t)			
653-PFP-100N	PFP-100N	DIN rail mounting track, 1m (l) x 7.3mm (t)			
653-PFP-100N2	PFP-100N2	DIN rail mounting track, 1m (l) x 16mm (t)			
653-PFP-M	PFP-M	DIN rail stop plate			
653-PFP-S	PFP-S	DIN rail spacer			

OMRON H3JA SERIES: ECONOMICAL, COMPACT SOLID STATE TIMERS

Specifications:

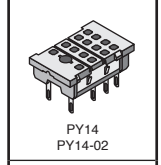
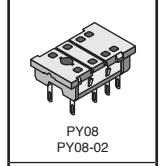
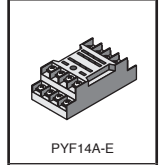
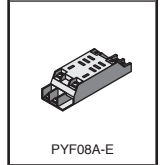
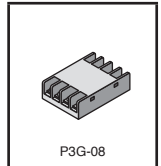
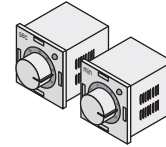
- Time-limit contact: DPDT
- Operation/Resetting system: Time-limit/self-resetting
- Supply voltage: 100-120VAC
- Power consumption: 3VA (1.3W)

Features:

- Dual LED indication for power and output status
- Large transparent knob
- DIN size 36x36mm fits 8-pin sockets

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Time Range	Price Each		
			1	5	10
653-H3JA-8C-10S	H3JA-8C-AC100-120-10S	1 to 10 seconds			
653-H3JA-8C-5M	H3JA-8C-AC100-120-5M	0.5 to 5 minutes			
Accessories			1	25	50
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals			
653-Y92F-31	Y92F-31	Panel mount adapter, ideal for side-by-side installation, use with P3G sockets			
653-PFP-100N	PFP-100N	DIN rail, 1m in length			
653-PFP-M	PFP-M	DIN rail spacer			



OMRON H3YN SERIES: MINIATURE SOLID STATE TIMERS

Specifications:

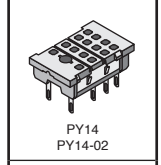
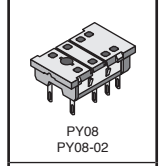
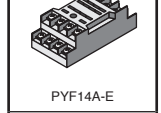
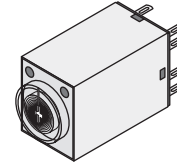
- Insulation resistance: 100mΩ min. (@ 500VDC)
- Service life: Mechanical 10,000,000 operations min. Electrical DPDT 500,000 / 4PDT 200,000 operations

Features:

- Timing functions: ON-delay, interval, repeat cycle, ON-start/OFF start (DIP switch selectable)
- Ultra-slim package 21.5mm max.
- Simplifies ordering and inventory by combining multiple functions and time ranges in one unit
- LED power-ON and time-UP indicators

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Time Limit Contact	Supply Voltage	Time Range	Price Each		
					1	2	5
Short-Time Range							
653-H3YN-2-AC1	H3YN-2-AC100-120	DPDT	100-120VAC	0.1s-10m			
653-H3YN-2-DC24	H3YN-2-DC24	DPDT	24VAC	0.1s-10m			
653-H3YN-4-AC1	H3YN-4 AC100-120	4PDT	100-120VAC	0.1s-10m			
653-H3YN-4DC125	H3YN-4 DC125	4PDT	125VDC	0.1s-10m			
Long-Time Range							
653-H3YN-21DC24	H3YN-21 DC24	DPDT	24VAC	0.1m-10h			
653-H3YN-21-AC1	H3YN-21-AC100-120	DPDT	100-120VAC	0.1m-10h			
653-H3YN-41AC100-120	H3YN-41 AC100-120	4PDT	100-120VAC	0.1m-10h			
Accessories					1	25	50
653-PYF08A-E	PYF08A-E	Track mount/front connect socket for DPDT time (H3YN-2, H3YN-21)					
653-PYF14A-E	PYF14A-E	Track mount/front connect socket for 4PDT time (H3YN-4)					
653-PY08	PY08	Back connect, solder terminal socket for DPDT (H3YN-2, H3YN-21)					
653-PY14	PY14	Back connect, solder terminal socket for 4PDT (H3YN-4)					
653-PY08-02	PY08-02	Back connect, PC terminal socket for DPDT (H3YN-2, H3YN-21)					
653-PY14-02	PY14-02	Back connect, PC terminal socket for 4PDT (H3YN-4)					
653-Y92H-4	Y92H-4	Hold down clip for sockets PY08, PY08-02, PY14, PY14-02					



OMRON H5CX-N SERIES: 1/16 DIN MULTI-FUNCTION DIGITAL TIMERS

Specifications:

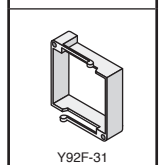
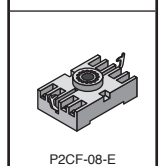
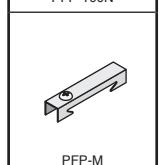
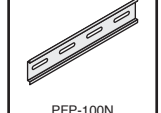
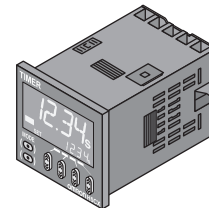
- Number of display digits: 4
- Time specifications: 0.001-9.999s; 0.01-99.99s; 0.1-999.9s 1-9999s; 1s-99min59s; 0.1-999.9min 1-9999min; 1min-99h59min; 0.1-999.9h; 1-9999h

- Timer mode: 11 Signal ON-delay I, II; Power ON-delay I, II; Repeat cycle 1, 2; Signal OFF-delay Interval; Cumulative; Stopwatch ON/OFF-duty-adjustable flicker

- Twin timer mode: 4 Flicker OFF start 1, 2; Flicker ON start 1, 2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Connection	Supply Voltage 50/60Hz	Display Character Color	Output	Price Each		
						1	5	10
Economy Type, NPN Input								
653-H5CX-L8NAC100240	H5CX-L8-N AC100240	8-pin socket	100-240VAC	Red	Contact (Time-limit SPDT)			
653-H5CX-L8DND1224A24	H5CX-L8-DN DC12-24/AC24	8-pin socket	12-24VDC/24VAC	Red	Contact (Time-limit SPDT)			
Standard Type, NPN/PNP Input, DIP Switch Settings Provided								
653-H5CXA11NAC100240	H5CX-A11-N AC100-240	11-pin socket	100-240VAC	Red	Contact (Time-limit SPDT)			
653-H5CXA11DND1224A24	H5CX-A11-DN DC12-24/AC24	11-pin socket	12-24VDC/24VAC	Red	Contact (Time-limit SPDT)			
653-H5CXASNA100240	H5CX-AS-N AC100-240	Screw terminals	100-240VAC	Red, green, or orange	Transistor (SPST)			
653-H5CXASDND1224A24	H5CX-ASD-N-DC12-24/AC24	Screw terminals	12-24VDC/24VAC	Red, green, or orange	Transistor (SPST)			
653-H5CXANAC100240	H5CX-A-N AC100-240	Screw terminals	100-240VAC	Red, green, or orange	Contact (Time-limit SPDT)			
653-H5CXADNA24D1224	H5CX-AD-N AC24/DC12-24	Screw terminals	12-24VDC/24VAC	Red, green, or orange	Contact (Time-limit SPDT)			
Accessories						Description		
653-P2CF-08-E	P2CF-08-E	Front connecting socket, 8-pin, finger-safe type						
653-Y92P-CXT4S	Y92P-CXT4S	Front panel replacement, white						



OMRON H5CN-X SERIES: MINIATURE, DIN QUARTZ DIGITAL TIMERS

Specifications:

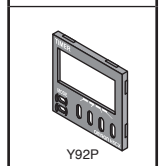
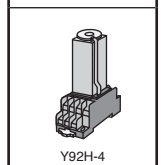
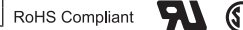
- Contact output: SPDT
- Output mode: Power ON-delay

Features:

- Selection of elapsed time indication, remaining time indication, contact output, and solid-state output types to suit requirements

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Connection	Supply Voltage	Display	Rated Time	Price Each		
						1	5	10
653-H5CN-XBN	H5CN-XBN AC100-240	8-pin socket	100-240VAC	UP	0.1-999.9s			
653-H5CNXCNA100240	H5CN-XCN AC100-240	8-pin socket	100-240VAC	UP	1s-99m59s			



OMRON H5L SERIES: 1/4 DIN SIZE WEEKLY TIMERS

Specifications:

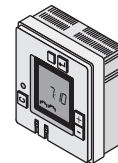
- Rated supply voltage: 100-240VAC
- Terminal type: Screw
- Number of program steps: 24

Features:

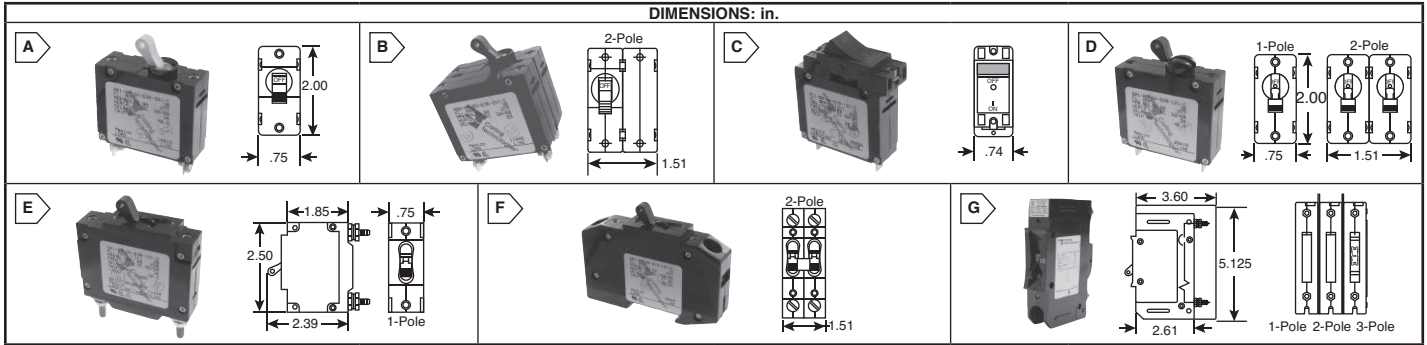
- Easy programming with large display and interactive functions
- Memory protection during power failure for up to 10 years
- Easy operation with five keys

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Rated Time	Time Setting Range	Time Division	Price Each		
					1	5	10
653-H5L-A	H5L-A	24 hours x 7 days	00:00-23:59	1 minute			
Accessories					1	5	10
653-PFP-100N	PFP-100N	DIN rail, 1m in length					
653-PFP-M	PFP-M	DIN rail spacer					



DIMENSIONS: in.



CARLING A SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: One
- Frequency and Delay: DC, 50/60Hz Medium
- Actuator/Legend color: Black/White
- Terminal: 10-30A rating - Screw 8-32 (bus type); 50A rating - Screw 10-32 (bus type)
- Mounting: Threaded insert 6-32 x 0.195" deep, 2/pole



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
Color: Black							
691-AA1B0346103B1C	AA1-B0-34-610-3B1-C	A	10A				
691-AA1B0346153B1C	AA1-B0-34-615-3B1-C	A	15A				
691-AA1B0346203B1C	AA1-B0-34-620-3B1-C	A	20A				
691-AA1B0346253B1C	AA1-B0-34-625-3B1-C	A	25A				
691-AA1B0346303B1C	AA1-B0-34-630-3B1-C	A	30A				
691-AA1B0346505B1C	AA1-B0-34-650-5B1-C	A	50A				
Color: White							
691-AA1B0346155D1C	AA1-B0-34-615-5D1-C	A	15A				
691-AA1B0346205D1C	AA1-B0-34-620-5D1-C	A	20A				
691-AA1B0346505D1C	AA1-B0-34-650-5D1-C	A	50A				
691-AB2A0036302D1C	AB2-A0-03-630-2D1-C	B	30A				

CARLING C SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

Designed for applications requiring higher amperage and voltage handling capabilities.



- Type: Hydraulic/Magnetic
- Max. interrupting capacity: 10,000 Amps
- Circuit: Series Trip (Current)
- Poles: CA1 - 1 pole; CA2 - 2 poles
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Actuator: Handle, 1 per pole
- Terminal: 10-32 THD Stud, .625 long
- Voltage: <300
- Approvals: All - UL489 listed; UL Recognized; CSA and VDE Certified



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CA1B034610121D	CA1-B0-34-610-121-D	E	10A				
691-CA1B034615121D	CA1-B0-34-615-121-D	E	15A				
691-CA1B034620121D	CA1-B0-34-620-121-D	E	20A				
691-CA1B034630121D	CA1-B0-34-630-121-D	E	30A				
691-CA1B034640121D	CA1-B0-34-640-121-D	E	40A				
691-CA2B034620121D	CA2-B0-34-620-121-D	E	20A				
691-CA2B034630121D	CA2-B0-34-630-121-D	E	30A				
691-CA2B034640121D	CA2-B0-34-640-121-D	E	40A				
691-CA2B034650121D	CA2-B0-34-650-121-D	E	50A				
691-CA3B034620121D	CA3-B0-34-620-121-D	E	20A				
691-CA3B034630121D	CA3-B0-34-630-121-D	E	30A				
691-CA3B034640121D	CA3-B0-34-640-121-D	E	40A				

CARLING A SERIES: CIRCUIT BREAKERS WITH VISI-ROCKER® ACTUATOR

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates either ON mode for AC1 items or TRIPPED/OFF mode for AF1 items
- Indicator/Legend Color: Red
- Rocker color: Black
- Circuit: Series Trip (Current)
- Poles: One
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Mounting: Thread Insert 6-32 x 0.195" deep
- Approvals: D suffix - UL Rec.; CSA and VDE Certified
- C suffix: UL Recognized; CSA Certified



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-AC1B034630131D	AC1-B0-34-630-131-D	C	30A				
691-AC1B0344501G1C	AC1-B0-34-450-1G1-C	C	5A				
691-AC1B0346101G1C	AC1-B0-34-610-1G1-C	C	10A				
691-AF1B0346201G1C	AF1-B0-34-620-1G1-C	C	20A				

CARLING B SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Actuator: Handle, one per pole
- Poles: BA1 - 1 pole; BA2 - 2 poles
- Circuit: Series Trip (Current)
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Approvals: D suffix - UL Recognized; CSA and VDE Certified
- C suffix: UL Recognized; CSA Certified



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-BA1B034425121D	BA1-B0-34-425-121-D	D	2.5A				
691-BA1B034450121D	BA1-B0-34-450-121-D	D	5A				
691-BA1B034610121D	BA1-B0-34-610-121-D	D	10A				
691-BA1B034615121D	BA1-B0-34-615-121-D	D	15A				
691-BA1B034620121D	BA1-B0-34-620-121-D	D	20A				
691-BA2B034425121D	BA2-B0-34-425-121-D	D	2.5A				
691-BA2B034450121D	BA2-B0-34-450-121-D	D	5A				
691-BA2B034610121D	BA2-B0-34-610-121-D	D	10A				
691-BA2B034615121D	BA2-B0-34-615-121-D	D	15A				
691-BA2B034620121D	BA2-B0-34-620-121-D	D	20A				
691-BA2B034630121C	BA2-B0-34-630-121-C	D	30A				

CARLING D SERIES: DIN RAIL MOUNT CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: DA1 - 1 pole; DA2 - 2 poles
- Actuator/Legend color: Black/White
- Actuator: Handle, one per pole
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Captured #10 Screw and Pressure Plate for Direct Wire or Fork Terminal Connection



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-DA1B034450121C	DA1-B0-34-450-121-C	F	5A				
691-DA1B034610121C	DA1-B0-34-610-121-C	F	10A				
691-DA1B034615121C	DA1-B0-34-615-121-C	F	15A				
691-DA1B034620121C	DA1-B0-34-620-121-C	F	20A				

CARLING E-SERIES: CIRCUIT BREAKER WITH POWER SELECTOR

The E-Series hydraulic/magnetic circuit breakers are ideally suited for higher current and voltage applications. They offer front and back mounting, screw terminals, stud terminals and heavy duty box wire connectors for solid wire or a pressure plate connector for standard wire.

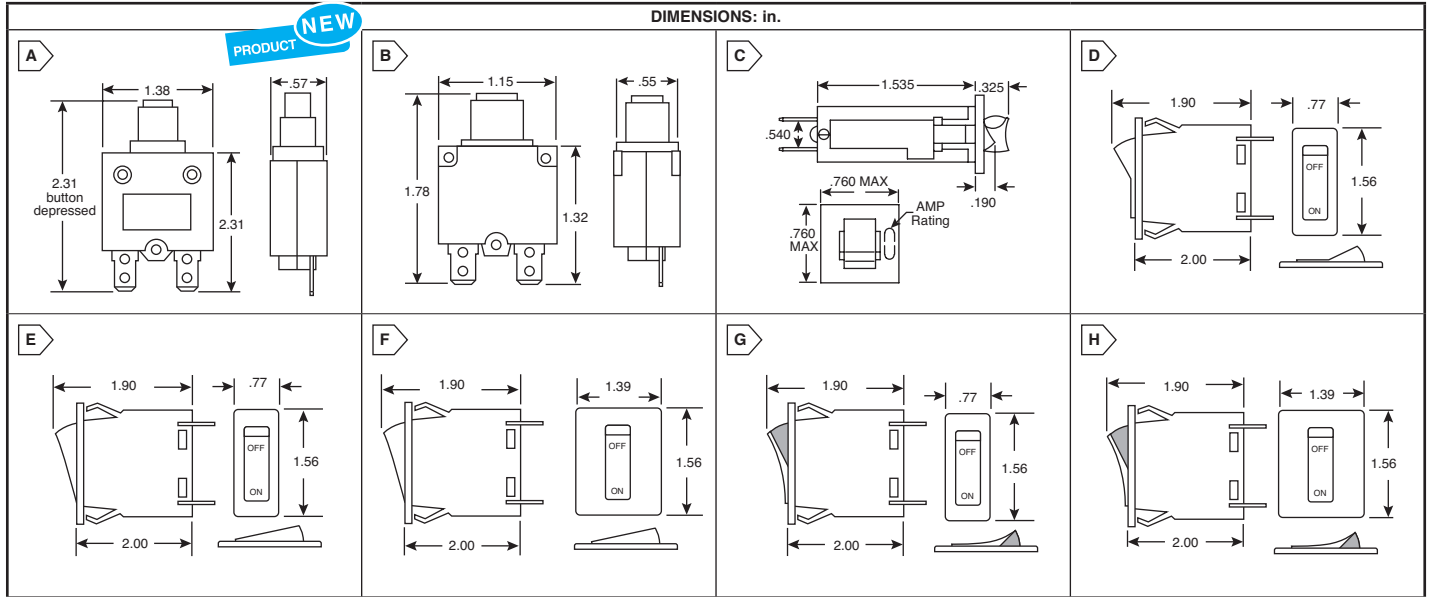
With E-Series circuit breakers by Carling Technologies, circuit breakers utilize the hydraulic/magnetic principle, providing key advantages over fuses and thermal breakers. The E-Series offers a compact design and superior handling of up to 125A per pole, and is rated to 600V AC or DC through its innovative design – providing high endurance, resistance to extreme temperatures and superior protection for equipment and wires.

- Type: Hydraulic/Magnetic
- Number of Poles: 1-6
- Available Delays: Instant, Short, Medium, Long (motor loads), High-Inrush, AC or DC
- Mounting Method: Rear Mounted or Front Panel Mounted



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each		
				1	5	10
691-EA1B02645032EGB	EA1-B0-26-450-32E-GB	G	5			
691-EA2B02645032EHB	EA2-B0-26-450-32E-HB	G	5			
691-EA2B02661032EHB	EA2-B0-26-610-32E-HB	G	10			
691-EA2B02661532EHB	EA2-B0-26-615-32E-HB	G	15			
691-EA2B02662032EHB	EA2-B0-26-620-32E-HB	G	20			
691-EA2B02663032EHB	EA2-B0-26-630-32E-HB	G	30			
691-EA2B02664032EHB	EA2-B0-26-640-32E-HB	G	40			
691-EA2B02666032EHB	EA2-B0-26-660-32E-HB	G	60			
691-EA2B02681032EHB	EA2-B0-26-810-32E-HB	G	10			
691-EA3B02662032EHB	EA3-B0-26-620-32E-HB	G	20			
691-EA3B02663032EHB	EA3-B0-26-630-32E-HB	G	30			



CARLING CLB SERIES: THERMAL CIRCUIT PROTECTORS WITH METAL BUSHING

Specifications:

- Dielectric Strength: 1500 VAC/1 minute
- Interrupting Capacity: 1200A 232VDC
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100MΩ
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies



CARLING M SERIES: MINIATURE CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current Coil)
- Actuator/Legend color: Black/White
- Snap-in front panel mounting
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Bezel Color: Black

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CLB-103-11A3NBA	CLB-103-11A3N-B-A	A	10				
691-CLB-153-11A3NBA	CLB-153-11A3N-B-A	A	15				
691-CLB-203-11A3NBA	CLB-203-11A3N-B-A	A	20				
691-CLB-253-11A3NBA	CLB-253-11A3N-B-A	A	25				
691-CLB03311B3ABA	CLB-033-11-B-3-A-B-A	A	3A				
691-CLB04311B3ABA	CLB-043-11-B-3-A-B-A	A	4A				
691-CLB05311B3ABA	CLB-053-11-B-3-A-B-A	A	5A				
691-CLB06311B3ABA	CLB-063-11-B-3-A-B-A	A	6A				
691-CLB07311B3ABA	CLB-073-11-B-3-A-B-A	A	7A				
691-CLB10311B3ABA	CLB-103-11-B-3-A-B-A	A	10A				
691-CLB12311B3ABA	CLB-123-11-B-3-A-B-A	A	12A				
691-CLB15311B3ABA	CLB-153-11-B-3-A-B-A	A	15A				
691-CLB20311B3ABA	CLB-203-11-B-3-A-B-A	A	20A				
691-CLB25311B3ABA	CLB-253-11-B-3-A-B-A	A	25A				
691-CLB30311B3ABA	CLB-303-11-B-3-A-B-A	A	30A				
691-CLB35311B3ABA	CLB-353-11-B-3-A-B-A	A	35A				
691-CLB40311B3ABA	CLB-403-11-B-3-A-B-A	A	40A				

CARLING CMB SERIES: THERMAL CIRCUIT PROTECTORS WITH PLASTIC BUSHING

Specifications:

- Dielectric Strength: 1500 VAC/1 minute
- Interrupting Capacity: 1000amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100MΩ
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CMB03311C3NBA	CMB-033-11-C-3-N-B-A	B	3A				
691-CMB04311C3NBA	CMB-043-11-C-3-N-B-A	B	4A				
691-CMB05311C3NBA	CMB-053-11-C-3-N-B-A	B	5A				
691-CMB06311C3NBA	CMB-063-11-C-3-N-B-A	B	6A				
691-CMB07311C3NBA	CMB-073-11-C-3-N-B-A	B	7A				
691-CMB10311C3NBA	CMB-103-11-C-3-N-B-A	B	10A				
691-CMB12311C3NBA	CMB-123-11-C-3-N-B-A	B	12A				
691-CMB15311C3NBA	CMB-153-11-C-3-N-B-A	B	15A				
691-CMB20311C3NBA	CMB-203-11-C-3-N-B-A	B	20A				

CARLING CTB SERIES: PANEL MOUNT ROCKER THERMAL CIRCUIT PROTECTORS

Specifications:

- Dielectric Strength: 1500 VAC/1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100MΩ
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies
- Exercise Equipment



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CTB-B-B-03	CTB-B-B-03	C	3A				
691-CTB-B-B-05	CTB-B-B-05	C	5A				
691-CTB-B-B-06	CTB-B-B-06	C	6A				
691-CTB-B-B-07	CTB-B-B-07	C	7A				
691-CTB-B-B-08	CTB-B-B-08	C	8A				
691-CTB-B-B-10	CTB-B-B-10	C	10A				
691-CTB-B-B-12	CTB-B-B-12	C	12A				
691-CTB-B-B-15	CTB-B-B-15	C	15A				

CARLING M SERIES: MINIATURE CIRCUIT BREAKERS WITH VISI-ROCKER® AND ILLUMINATED ROCKER

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates ON mode.
- Snap-in front panel mounting
- Circuit: Series Trip (Current Coil)
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- (Visi-Rocker) Indicator/Legend Color: Red
- (Visi-Rocker) color: Black
- (Visi-Rocker) Bezel Color: Black
- (Illuminated Rocker) color: Transparent red
- (Illuminated Rocker) illumination: Red LED (without resistor)
- (Illuminated Rocker) guard color: Gray

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each			
					1	10	25	50
691-MA1B344501A26BC	MA1-B-34-450-1-A26-B-C	D	1	5A				
691-MA1B346101A26BC	MA1-B-34-610-1-A26-B-C	D	1	10A				
691-MA1B346151A26BC	MA1-B-34-615-1-A26-B-C	D	1	15A				
691-MA1B346201A26BC	MA1-B-34-620-1-A26-B-C	D	1	20A				
691-MA1B346251A26BC	MA1-B-34-625-1-A26-B-C	D	1	25A				
691-MA1B344751A12BC	MA1-B-34-475-1-A12-B-C	D	1	7.5A				
691-MA1B346201A12BC	MA1-B-34-620-1-A12-B-C	D	1	20A				
691-MB1B346151A26BC	MB1-B-34-615-1-A26-B-C	E	1	15A				
691-MB1B346201A26BC	MB1-B-34-620-1-A26-B-C	E	1	20A				
691-MB1B344501A27BC	MB1-B-34-450-1-A27-B-C	E	1	5A				
691-MB1B346101A27BC	MB1-B-34-610-1-A27-B-C	E	1	10A				
691-MB2B344201A24BC	MB2-B-34-420-1-A24-B-C	F	2	2A				
691-MB2B344701A24BC	MB2-B-34-470-1-A24-B-C	F	2	7A				
691-MB2B346151A24BC	MB2-B-34-615-1-A24-B-C	F	2	15A				
691-MB2B346101A27BC	MB2-B-34-610-1-A27-B-C	F	2	10A				
691-MB2B346201A27BC	MB2-B-34-620-1-A27-B-C	F	2	20A				
691-MB2B346251A27BC	MB2-B-34-625-1-A27-B-C	F	2	25A				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each			
					1	10	25	50
Visi-Rocker								
691-MD1B346151A36BC	MD1-B-34-615-1-A36-B-C	G	1	15A				
691-MD2B346151A36BC	MD2-B-34-615-1-A36-B-C	H	2	15A				
Illuminated Rocker								
691-MF1B346201DB7BC	MF1-B-34-620-1-DB7-B-C	D	1	20A				

PHOENIX CONTACT DIN Rail Circuit Breakers



THERMO MAGNETIC CIRCUIT BREAKERS

UT 6-TMC M Thermo Magnetic Circuit Breaker - Pushbutton Type

- Features:**
- Resettable
 - Button Switch
 - Space saving, compact design
 - Large labeling area

- Specifications:**
- Housing Width: 12.5mm
 - Single-pole



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	5	10
651-0916603	A	UT 6-TMC M 0.5A	.5A	240VAC/28VDC	-30°C to 60°C			
651-0916604	A	UT 6-TMC M 1A	1A	240VAC/28VDC	-30°C to 60°C			
651-0916605	A	UT 6-TMC M 2A	2A	240VAC/28VDC	-30°C to 60°C			
651-0916606	A	UT 6-TMC M 4A	4A	240VAC/28VDC	-30°C to 60°C			
651-0916607	A	UT 6-TMC M 5A	5A	240VAC/28VDC	-30°C to 60°C			
651-0916608	A	UT 6-TMC M 6A	6A	240VAC/28VDC	-30°C to 60°C			
651-0916609	A	UT 6-TMC M 8A	8A	240VAC/28VDC	-30°C to 60°C			
651-0916610	A	UT 6-TMC M 10A	10A	240VAC/28VDC	-30°C to 60°C			
651-0916611	A	UT 6-TMC M 12A	12A	240VAC/28VDC	-30°C to 60°C			
651-0916612	A	UT 6-TMC M 15A	15A	240VAC/28VDC	-30°C to 60°C			
651-0916613	A	UT 6-TMC M 16A	16A	240VAC/28VDC	-30°C to 60°C			

TMC1 Thermo Magnetic Circuit Breaker - Switch Type

- Features:**
- Direct DIN Rail Mount (Universal Mounting Foot)
 - 1-Position main current path with 1 N/O status contact
 - Screw Clamp Connection

- Specifications:**
- Housing Width: 12.5mm
 - AWG: 24-10
 - Typical Life: 10,000 Operations
 - Color: Black



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	5	10
651-0914400	B	TMC 1 M1 100 0.5A	.5A	250VAC/65VDC	-10°C to 60°C			
651-0914439	B	TMC 1 M1 100 1.0A	1A	250VAC/65VDC	-10°C to 60°C			
651-0914455	B	TMC 1 M1 100 2.0A	2A	250VAC/65VDC	-10°C to 60°C			
651-0914497	B	TMC 1 M1 100 5.0A	5A	250VAC/65VDC	-10°C to 60°C			
651-0914523	B	TMC 1 M1 100 10.0A	10A	250VAC/65VDC	-10°C to 60°C			
651-0915473	B	TMC 1 M1 100 15.0A	15A	250VAC/65VDC	-10°C to 60°C			

TMC42 Thermo Magnetic Circuit Breaker - Pushbutton Type

- Features:**
- Direct DIN Rail Mount (Universal Mounting Foot)
 - Screw Clamp Connection

- Specifications:**
- Housing Width: 12.5mm
 - AWG: 24-10
 - Typical Life: 5000 Operations
 - Color: Black



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	5	10
651-5650108	C	TMC 42-01-1.0A	1A	250VAC/80VDC	-10°C to 60°C			
651-5600314	C	TMC 42-01-2.0A	2A	250VAC/80VDC	-10°C to 60°C			
651-5531082	C	TMC 42-01-5.0A	5A	250VAC/80VDC	-10°C to 60°C			
651-5650121	C	TMC 42-01-10A	10A	250VAC/80VDC	-10°C to 60°C			
651-5600310	C	TMC 42-01-15A	15A	250VAC/80VDC	-10°C to 60°C			

THERMAL MINIATURE CIRCUIT BREAKERS, TCP

TCP Pushbutton Circuit Breakers

- Features:**
- Can be switched back on after tripping
 - Can be used for switching purposes
 - Plugs into DIN Rail terminal blocks (listed below)
 - Values can be swapped quickly for testing
 - No searching for replacement fuses
 - Pluggable Circuit Breakers

- Specifications:**
- Rated Surge Voltage: 2.5kV
 - Max Amperage: 0.25-4A Types is 6x Rated Current
6-10A Types is 8x Rated Current
 - Contamination Class: 2
 - Color: Black



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Nominal Voltage	Operating Temperature	Price Each		
						1	5	10
651-0712152	D	TCP 0.5	.5A	250VAC/65VDC	-20°C to 60°C			
651-0712194	D	TCP 1	1A	250VAC/65VDC	-20°C to 60°C			
651-0712217	D	TCP 2	2A	250VAC/65VDC	-20°C to 60°C			
651-0712233	D	TCP 3	3A	250VAC/65VDC	-20°C to 60°C			
651-0712259	D	TCP 4	4A	250VAC/65VDC	-20°C to 60°C			
651-0712275	D	TCP 6	6A	250VAC/65VDC	-20°C to 60°C			
651-0712314	D	TCP 10	10A	250VAC/65VDC	-20°C to 60°C			

TCP Terminal Blocks

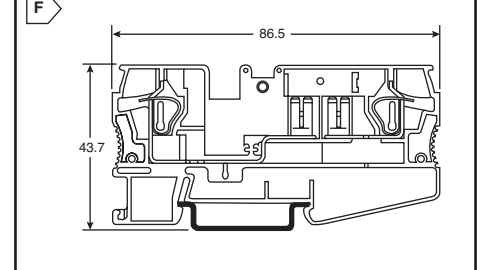
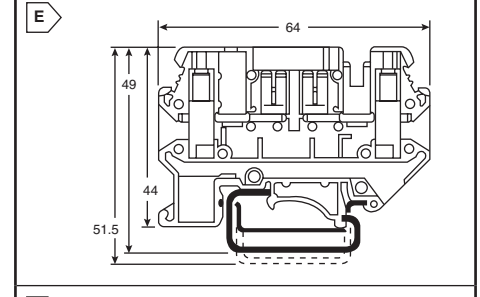
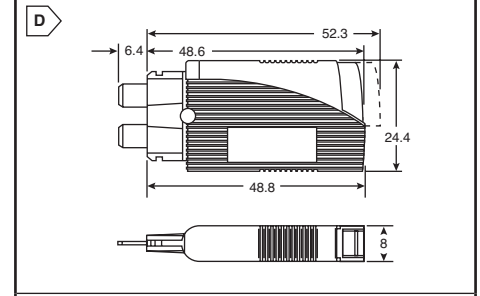
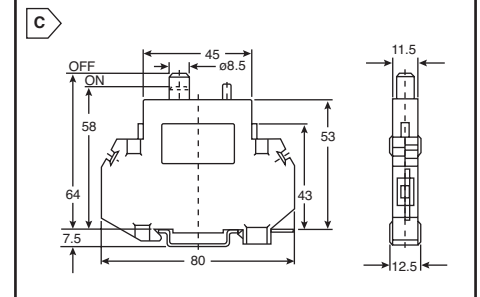
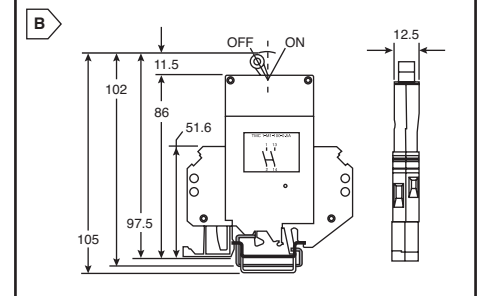
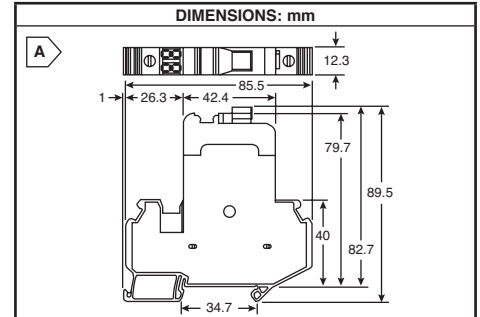
- Features:**
- Mounts to standard 35mm DIN Rails
 - Use with TCP push button circuit breakers
 - Can be used with Automotive Type Fuses
 - Bridgeable

- Specifications:**
- Color: Black
 - Max Current: 30A
 - Max Voltage: 300V



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Terminal Width	Connection Type	AWG	Price Each		
						1	5	10
651-3118203	E	UK 6-FSI/C	8.2mm	Screw-Clamp	26-8			
651-3036372	F	ST 4-FSI/C	8.2mm	Spring-Clamp	24-10			
651-1052002	-	ZB 8-Unprinted		White Unprinted Labels (1 strip of 10)				



SCHURTER Circuit Breakers

SCHURTER TA35 SERIES: THERMAL CIRCUIT BREAKER WITH ROCKER ACTUATOR

- TA35 is positively trip-free
- Ratings: 240VAC (3-pole: 415Y/240)
- Snap-in mount from front
- Quick-connect terminals
- Illuminated types available with red, green, yellow and blue transparent rockers



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	No. of Poles	No. of Terminals	Rated Current	Switch Color/Markings	Price Each			
							1	10	25	50
693-CFTWKJ20C0	CFTWKJ20C0	A	1	1	2A	White/ON-OFF				
693-CFTWF030C0	CFTWF030C0	A	1	1	3A	White/I-0				
693-CFTBF040C0	CFTBF040C0	A	1	1	4A	Black/I-0				
693-CFTRF050C0	CFTRF050C0	A	1	1	5A	Red/I-0				
693-CFTWF070C0	CFTWF070C0	A	1	1	7A	White/I-0				
693-CFTRF100C0	CFTRF100C0	A	1	1	10A	Red/I-0				
693-CFTWF150C0	CFTWF150C0	A	1	1	15A	White/I-0				
693-CFTWF200C0	CFTWF200C0	A	1	1	20A	White/I-0				
693-CBTWF060C0	CBTWF060C0	B	2	1	6A	White/I-0				
693-CBTWF080C0	CBTWF080C0	B	2	1	8A	White/I-0				
693-CBTWF160C0	CBTWF160C0	B	2	1	16A	White/I-0				
693-CBDWF030C0	CBDWF030C0	B	2	2	3A	White/I-0				
693-CBDWF050C0	CBDWF050C0	B	2	2	5A	White/I-0				
693-CBDWF070C0	CBDWF070C0	B	2	2	7A	White/I-0				
693-CKDWF050C0	CKDWF050C0	C	3	3	5A	White/I-0				
693-CKDWF100C0	CKDWF100C0	C	3	3	10A	White/I-0				

Accessories



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Description	Price Each			
			1	10	25	50
693-CZZ11	CZZ11	Waterproof cover - 1 pole				
693-CZZ21	CZZ21	Waterproof cover - 2 pole				

SCHURTER TA45 SERIES: THERMAL CIRCUIT BREAKERS WITH ROCKER ACTUATOR

- TA45 is positively trip-free
- Ratings: 240VAC/60VDC
- Black switch has white printed I/O legend
- Orange switch is transparent illuminated with white printed I/O legend
- Other rocker switch colors and legends available. Call for more information.
- Snap-in mount
- IP40 degree of protection on front side
- Terminals: .250" quick connect
- DPST switch (On-Off); 3-pole also available, Call for more information
- I-Pole units use 120 Volt illumination; Z-Pole units use 240 Volt

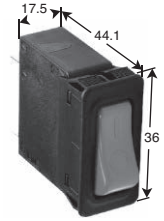


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Thermal Overload Protection	Switch Color	Price Each			
						1	10	25	50
693-ABTBLJ05C0	ABTBLJ05C0	D	0.5A	1-pole	Black				
693-A126LJ05C0	A126LJ05C0	D	0.5A	1-pole	Orange				
693-ABDBLJ05C0	ABDBLJ05C0	D	0.5A	2-pole	Black				
693-ABTBLJ20C0	ABTBLJ20C0	D	2A	1-pole	Black				
693-A126LJ20C0	A126LJ20C0	D	2A	1-pole	Orange				
693-ABDBLJ20C0	ABDBLJ20C0	D	2A	2-pole	Black				
693-A326LJ20C0	A326LJ20C0	D	2A	2-pole	Orange				
693-ABTBL050C0	ABTBL050C0	D	5A	1-pole	Black				
693-ABDBL050C0	ABDBL050C0	D	5A	2-pole	Black				
693-A326L050C0	A326L050C0	D	5A	2-pole	Orange				
693-ABTBL100C0	ABTBL100C0	D	10A	1-pole	Black				
693-A126L100C0	A126L100C0	D	10A	1-pole	Orange				
693-ABDBL100C0	ABDBL100C0	D	10A	2-pole	Black				
693-A326L100C0	A326L100C0	D	10A	2-pole	Orange				
693-ABTBL150C0	ABTBL150C0	D	15A	1-pole	Black				
693-A126L150C0	A126L150C0	D	15A	1-pole	Orange				
693-ABDBL150C0	ABDBL150C0	D	15A	2-pole	Black				
693-A326L150C0	A326L150C0	D	15A	2-pole	Orange				
693-ABTBL200C0	ABTBL200C0	D	20A	1-pole	Black				
693-A126L200C0	A126L200C0	D	20A	1-pole	Orange				
693-ABDBL200C0	ABDBL200C0	D	20A	2-pole	Black				
693-A326L200C0	A326L200C0	D	20A	2-pole	Orange				

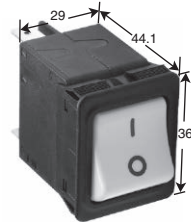
DIMENSIONS: mm

A



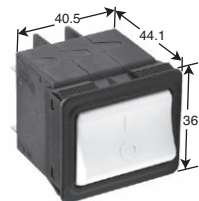
1-Pole

B



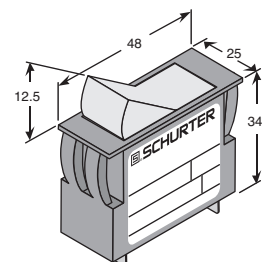
2-Pole

C

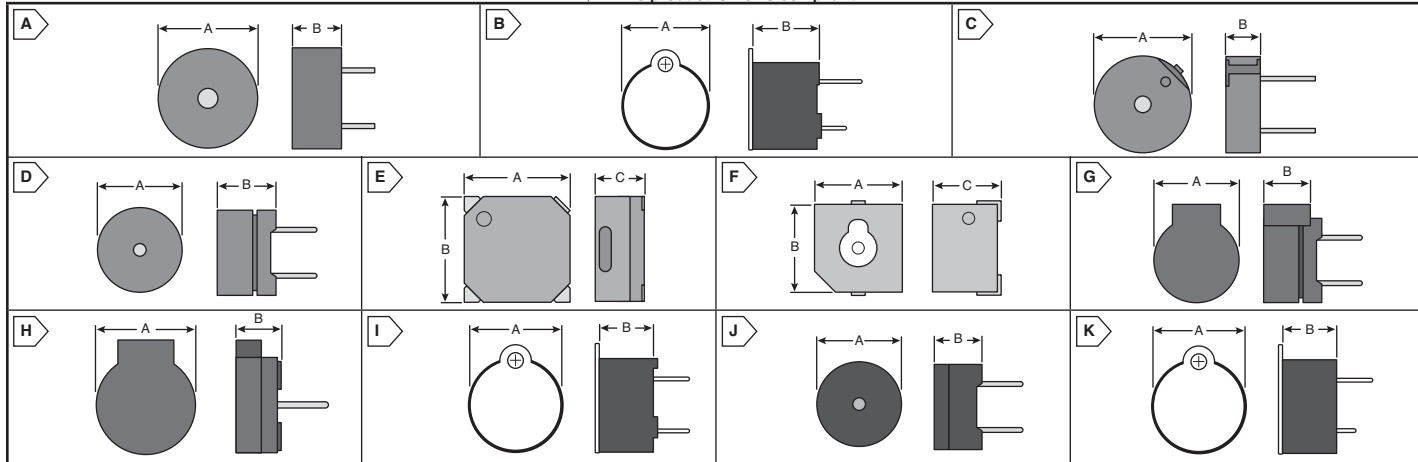


3-Pole

D



RoHS Compliant This product is RoHS compliant.

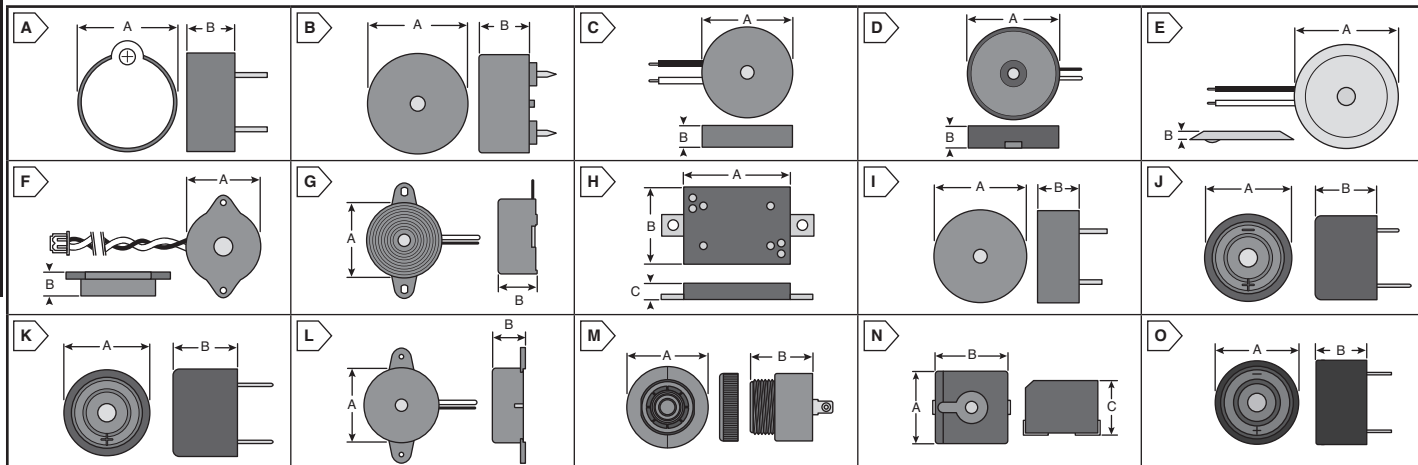


MAGNETIC BUZZERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Typical (mA)	Sound Pressure Level (dB)	Terminal Type	Dimensions (mm) A x B x C	Price Each			
								1	25	50	100
External Drive											
254-EMB73-RO	A	3100	3 Vo-p	100	70	Pin	ø6.7 x 3.6 x ---				
254-EMB15-RO	B	2400	5 Vo-p	50	85	Pin	ø12 x 10 x ---				
254-EMB145-RO	C	2000	5 Vo-p	50	85	Pin	ø14 x 5.0 x ---				
254-EMB121-RO	D	2048	1.5 Vo-p	35	85	Pin	ø12 x 8.5 x ---				
254-EMB84X-RO	E	2730	5 Vo-p	100	87	SMD	8.5 x 8.5 x 4.0				
254-EMB84Q-RO	E	2730	3.6 Vo-p	100	87	SMD	8.5 x 8.5 x 3.0				
254-EMB135-RO	F	2400	5 Vo-p	30	88	SMD	12.8 x 12.8 x 6.5				
254-EMB132-RO	F	2400	12 Vo-p	30	90	SMD	12.8 x 12.8 x 10				
254-EMB140-RO	G	2048	3.5 Vo-p	35	85	Pin	ø12 x 8.5 x ---				
254-EMB93-RO	H	2731	3 Vo-p	80	85	Pin	ø9.0 x 4.0 x ---				
254-EMB120-RO	I	2800	1.5 Vo-p	40	85	Pin	ø12 x 10 x ---				
254-EMB1212-RO	I	2400	12 Vo-p	80	85	Pin	ø12 x 10 x ---				
254-EMB1005-RO	J	3100	5 Vo-p	60	85	Pin	ø9.6 x 7 x ---				
Self Drive											
254-EMB125-RO	B	2300	5 Vo-p	35	85	Pin	ø12 x 9.5 x ---				
254-EMB122-RO	B	2300	12 VDC	35	85	Pin	ø12 x 9.5 x ---				
254-EMB105-RO	K	2500	5 Vo-p	25	80	Pin	ø9.6 x 5.0 x ---				
254-EMB1205-RO	K	2300	5 VDC	30	83	Pin	ø12 x 7.5 x ---				

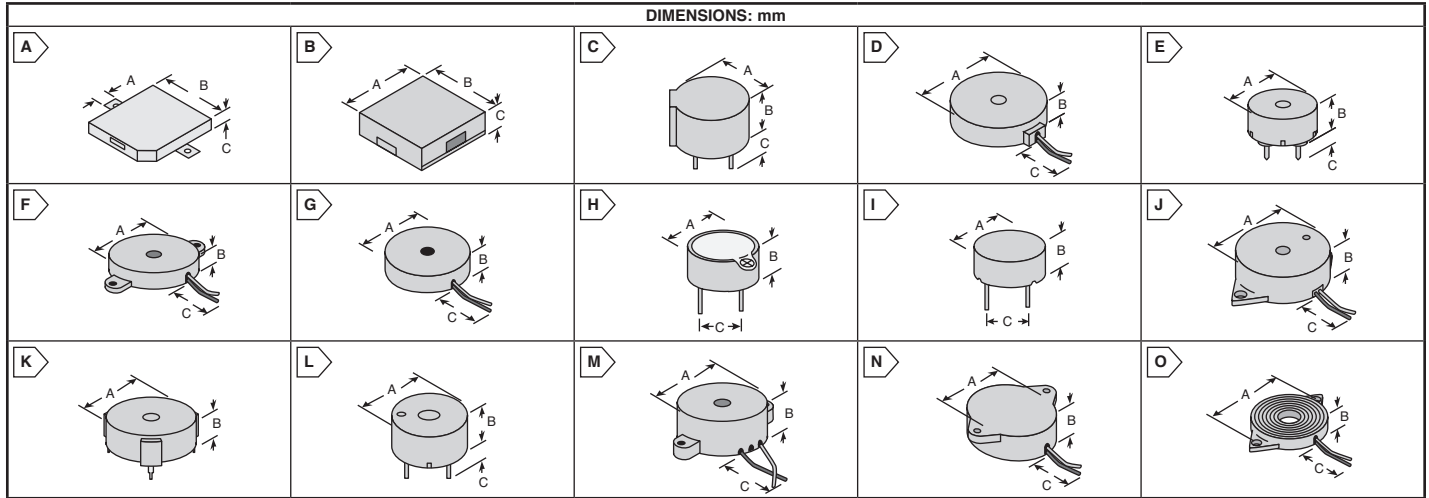
Kobitone Audio



PIEZOELECTRIC BUZZERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Typical (mA)	Sound Pressure Level (dB)	Terminal Type	Dimensions (mm) A x B x C	Price Each			
								1	25	50	100
External Drive											
254-PB140-ROX	A	4000	5 Vp-p	5	80	Pin	ø13.8 x 6.8 x ---				
254-PB170-ROX	B	2000	3 Vp-p	5	70	Pin	ø17 x 8.6 x ---				
254-PB102-ROX	C	3200	10 Vp-p	5	80	Wire	ø10 x 3.2 x ---				
254-PB160-ROX	D	4000	7 Vp-p	7	80	Wire	ø16.5 x 4.0 x ---				
254-PB284-ROX	E	4400	6 Vp-p	8	85	Wire	ø27.7 x 2.8 x ---				
254-PB441-ROX	F	1100	10 Vp-p	11	85	Wire	ø44 x 14 x ---				
254-PB305-ROX	G	2500	10 Vp-p	9	86	Wire	ø30 x 9.5 x ---				
254-PB119-ROX	H	4100	5 Vp-p	5	70	SMD	11 x 9.0 x 1.7				
Self Drive											
254-PB1440-ROX	I	4000	12 VDC	7	80	Pin	ø13.8 x 7.5 x ---				
254-PB239-ROX	J	2900	12 VDC	8	85	Pin	ø23 x 16 x ---				
254-PB247-ROX	K	3700	12 VDC	8	90	Pin	ø24 x 18 x ---				
254-PB233-ROX	G	3300	12 VDC	12	85	Wire	ø22.5 x 12 x ---				
254-PB428-ROX	L	2800	12 VDC	9	96	Wire	ø42 x 16 x ---				
254-PB315-ROX	L	3500	9 VDC	9	95	Wire	ø31 x 14 x ---				
254-PB4229S-ROX	M	2900	110 DC/AC	18	83	Pin	ø43 x 33 x ---				
254-PB145-ROX	N	3300	5 Vp-p	8	80	SMD	14 x 14 x 10.7				
254-PB249-ROX	O	2900	12 VDC	8	85	Pin	ø23.8 x 16 x ---				



PIEZOELECTRIC BUZZERS

For quantities greater than listed, call for quote.

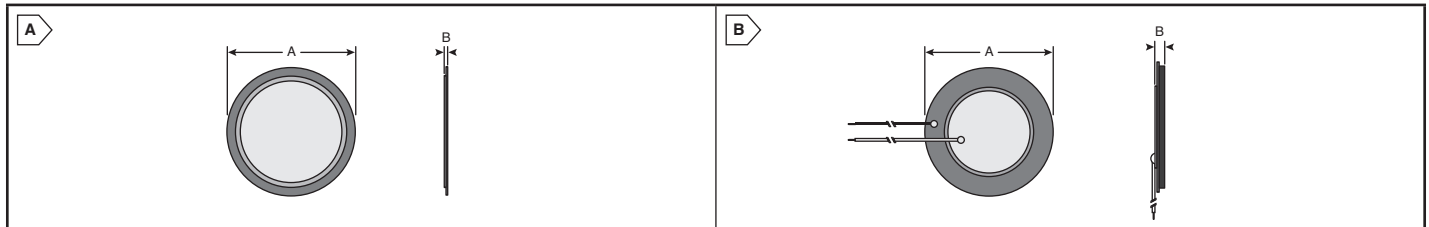
MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Dimensions: mm			Price Each				
							A	B	C	1	25	50	100	
External Drive														
254-PB501-ROX	A	4000	15Vp-p	3@9Vp-p	80	SMD	2.0	13.0	2.5					
254-PB502-ROX	B	4000	15Vp-p	3@9Vp-p	80	SMD	14.5	14.0	4.8					
254-PB503-ROX	C	4000	15Vp-p	3@9Vp-p	72	Pin	10.5	4.0	4.0					
254-PB504-ROX	D	4000	15Vp-p	3@9Vp-p	72	Wire	ø10.5	3.0	25.0					
254-PB506-ROX	D	5000	15Vp-p	3@9Vp-p	80	Wire	ø10.5	3.0	25.0					
254-PB507-ROX	E	4000	15Vp-p	3@9Vp-p	80	Pin	ø12.6	7.0	3.5					
254-PB508-ROX	E	4000	30Vp-p	4@12Vp-p	90	Pin	ø22.0	12.0	6.5					
254-PB514-ROX	F	3500	30Vp-p	4@9Vp-p	85	Wire	ø30.0	5.5	85.0					
254-152-ROX	G	4000	30Vp-p	3@9Vp-p	80	Wire	ø16.7	4.0	85.1					
254-15231-ROX	H	3200	15Vp-p	3@9Vp-p	80	Pin	ø13.8	32.0	7.6					
254-15240-ROX	I	4096	20Vp-p	3@9Vp-p	80	Pin	ø17.2	8.1	23.8					
254-20205-ROX	E	4096	30Vp-p	3@9Vp-p	80	Pin	ø22.0	8.0	10.8					
254-272-ROX	J	4400	30Vp-p	4@9Vp-p	90	Wire	ø30.0	5.5	84.8					
254-352-ROX	J	2500	30Vp-p	5@9Vp-p	90	Wire	ø41.9	15.9	115.0					
Self Drive														
254-PB516-ROX	K	2500	3-27VDC	9@9VDC	83	Pin	ø29.5	10.0	---					
254-27346-ROX	G	4400	3-27VDC	9@9VDC	83	Wire	ø30.0	5.0	85.1					
254-PB518-ROX	J	3500	3-30VDC	8@9VDC	85	Wire	ø31.0	10.0	75.0					
254-PB511-ROX	J	5000	3-30VDC	8@9VDC	80	Wire	ø31.0	10.0	75.0					
254-PB519-ROX	J	3500	3-30VDC	10@9VDC	87	Wire	ø31.0	10.0	100.0					
254-PB521-ROX	L	2800	3-20VDC	12@9VDC	100	Pin	ø42.0	16.5	8.0					
254-PB509-ROX	L	3800	3-30VDC	8@9VDC	83	Pin	ø24.0	14.0	3.7					
254-PB510-ROX	L	5000	3-15VDC	7@9VDC	93	Pin	ø24.5	16.0	3.7					
254-PB512-ROX	M	3000	5-20VDC	20@9VDC	97	Wire	ø42.0	16.0	120.0					
254-PB513-ROX	M	5000	5-20VDC	12@9VDC	93	Wire	ø42.0	16.0	120.0					
254-15210-ROX	H	4400	3-15VDC	8@9VDC	85	Pin	ø13.8	8.5	7.6					
254-20C6-ROX	F	3400	3-30VDC	8@9VDC	80	Wire	ø28.9	9.5	135.0					
254-27C0-ROX	J	3500	3-20VDC	8@9VDC	97	Wire	ø31.8	14.0	100.0					
254-35C1-ROX	M	2800	3-30VDC	8@9VDC	88	Wire	ø41.9	25.9	110.0					
254-35C5-ROX	M	2800	3-15VDC	45@9VDC	103	Wire	ø41.9	25.9	110.0					

Kobitone Audio

TELEPHONE RINGERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Dimensions: mm			Price Each			
							A	B	C	1	25	50	100
254-PB500-ROX	N	800	40Vp-p	4@9Vp-p	80	Wire	ø44.0	14.0	110.0				
254-35T2-ROX	O	1200	40Vp-p	3@9Vp-p	80	Wire	ø34.5	9.0	110.0				



PIEZOELECTRIC BUZZER ELEMENTS

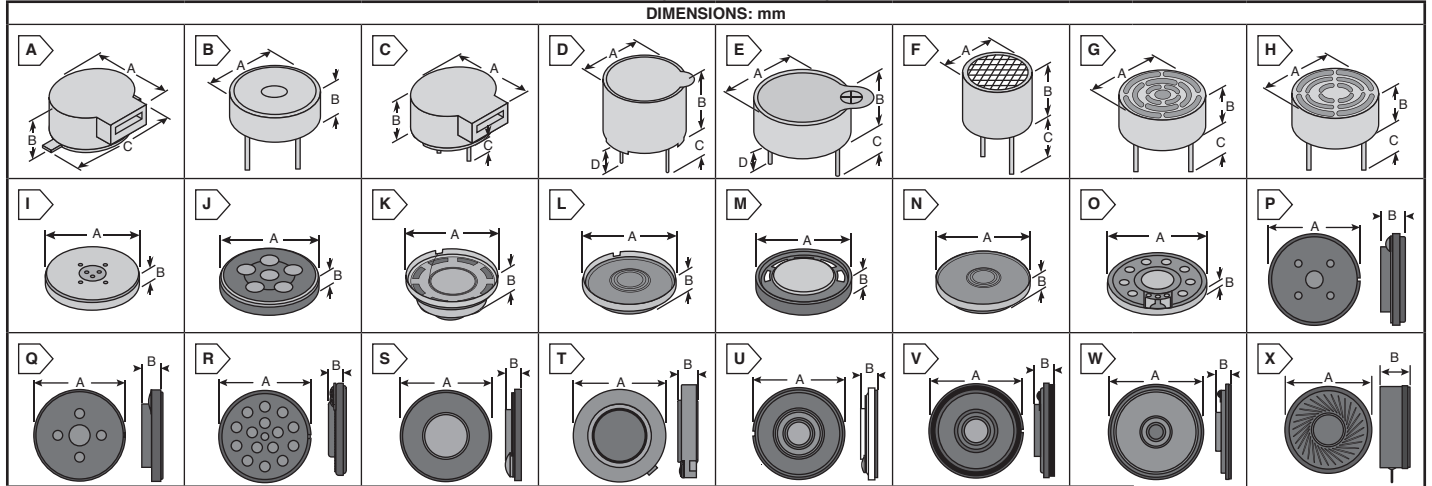
External Drive

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Resonant Impedance (Ω)	Rated Voltage	Type	Dimensions (mm) A x B	Price Each			
							1	25	50	100
254-PB125-ROX	A	6500	500	30Vp-p	External	ø12 x .18				
254-PB200-ROX	A	4000	300	30Vp-p	External	ø20 x .22				
254-PB158-ROX	B	5800	800	30Vp-p	External	ø15 x 2.0				

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



MAGNETIC TRANSDUCERS

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Dimensions: mm				Price Each			
							A	B	C	D	1	25	50	100
254-MB553-RO	A	2730	5VDC	80	85	SMD	10.6	4.0	12.5	---				
254-MB555-ROX	B	2730	3VDC	80	85	Pin	ø9.0	4.0	---	---				
254-MB556-RO	C	2700	1.5VDC	80	85	Pin	10.6	4.0	4.5	---				
254-MB557-RO	D	2400	12VDC	40	85	Pin	ø12.0	9.0	5.5	4.0				
254-MB563-RO	D	2048	5VDC	50	82	Pin	ø12.0	9.0	5.5	4.0				
254-MB561-RO	E	2300	5VDC	30	83	Pin	ø12.0	7.5	5.5	4.0				

ULTRASONIC TRANSDUCERS

MOUSER STOCK NO.	Fig.	Description	SPL Min. (dB)	Sensitivity Min. (dB)	Center Frequency (kHz)	Bandwidth (kHz)	Max. Input Voltage	Dimensions: mm			Price Each			
								A	B	C	1	25	50	100
255-400PT160-ROX	F	Transceiver	117	-65	40 ± 1.0	2	20	ø16.2	12.2	10.0				
255-400SR12M-ROX	F	Receiver	---	-67	40 ± 1.0	2	20	ø12.8	8.9	10.0				
255-400ST12M-ROX	F	Transmitter	115	---	40 ± 1.0	2	20	ø12.8	8.9	10.0				
255-400SR16-ROX	F	Receiver	---	-65	40 ± 1.0	2.5	20	ø16.2	11.9	10.0				
255-400ST16-ROX	F	Transmitter	119	---	40 ± 1.0	2	20	ø16.2	11.9	10.0				
255-250ST16P-ROX	G	Transmitter	112	---	25 ± 1.0	2	20	ø15.7	12.0	10.0				
255-250SR16P-ROX	G	Receiver	---	-62	25 ± 1.0	2	20	ø15.7	12.0	10.0				
255-328ST16M-ROX	F	Transmitter	115	---	32.8 ± 1.0	2.5	20	ø16.2	9.6	10.0				
255-328SR16M-ROX	F	Receiver	---	-67	32.8 ± 1.0	2.5	20	ø16.2	9.6	10.0				
255-400ST10P-ROX	H	Transmitter	115	---	40 ± 1.0	2.5	10	ø10.0	7.2	9.4				
255-400SR10P-ROX	H	Receiver	---	-65	40 ± 1.0	3	10	ø10.0	7.2	9.4				
255-400ST12P-ROX	G	Transmitter	115	---	40 ± 1.0	2	15	ø12.8	9.1	10.0				
255-400SR12P-ROX	G	Receiver	---	-67	40 ± 1.0	2	15	ø12.8	9.1	10.0				

MYLAR SPEAKERS

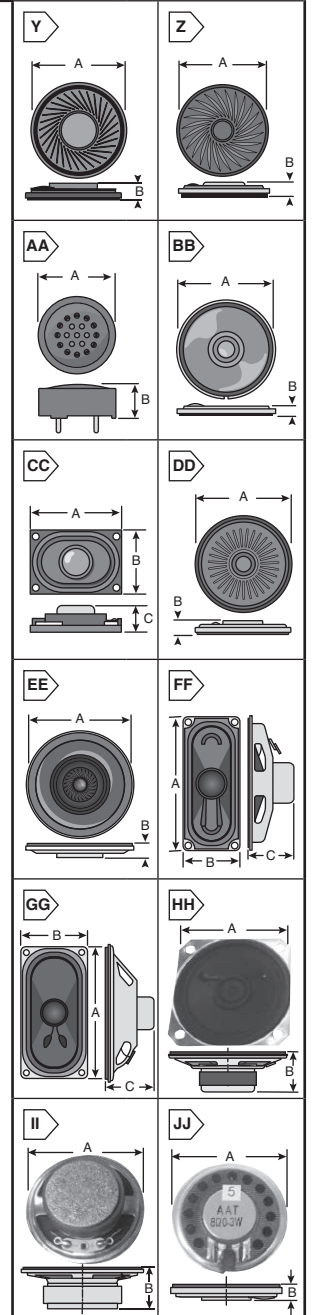
MOUSER STOCK NO.	Fig.	Impedance (Ω)	Power Rating (mW) Normal	Power Rating (mW) Max.	Frequency Range (Hz)	Sound Pressure Level (dB)	Dimensions: mm		Price Each			
							A	B	1	25	50	100
254-PS600-RO	I	8Ω	300	500	1000 - 20000	83	ø12.0	2.4				
254-PS601-RO	J	8Ω	200	300	700 - 7000	85	ø15.0	3.5				
254-PS602-RO	K	32Ω	30	50	400 - 20000	102	ø15.0	3.5				
254-PS603-RO	L	8Ω	200	400	400 - 6500	75	ø20.0	3.0				
254-PS604-RO	M	32Ω	200	500	360 - 2800	80	ø27.0	5.1				
254-PS605-RO	N	8Ω	100	200	350 - 6800	76	ø30.0	3.5				
254-PS606-RO	N	25Ω	200	500	320 - 7200	83	ø36.0	4.8				
254-PS607-RO	N	8Ω	500	1000	350 - 6200	84	ø40.0	5.0				
254-PS608-RO	O	8Ω	200	500	350 - 11000	82	ø40.0	4.2				
254-PS609-RO	O	8Ω	250	500	350 - 8500	85	ø50.0	5.0				
254-PS610-RO	O	8Ω	500	1000	350 - 13000	88	ø57.0	8.4				

DYNAMIC SPEAKERS

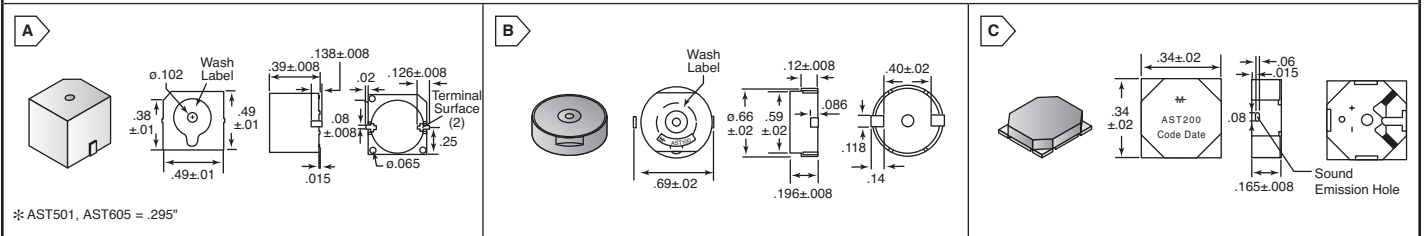
Applications:

- Digital Cameras
- Media Players
- PCs
- Communications Devices
- LCD Displays

MOUSER STOCK NO.	Fig.	Impedance (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Dimensions (mm) A x B x C	Price Each			
							1	25	50	100
254-DS108-RO	P	8	0.15	1200-6K	Nd-Fe-B	ø10 x 2.7				
254-DS136-RO	Q	16	0.5	1000-20K	Nd-Fe-B	ø13 x 3.0				
254-DS152-RO	R	32	0.5	920-20K	Nd-Fe-B	ø15 x 2.9				
254-DS1886-RO	S	8	1.0	1000-5K	Nd-Fe-B	ø18 x 3.2				
254-DS1808-RO	T	8	0.5	850-20K	Nd-Fe-B	ø18 x 4.3				
254-DS206-RO	U	16	0.25	1000-10K	Nd-Fe-B	ø20 x 3.8				
254-DS202-RO	V	32	0.5	870-7.5K	Ferrite	ø20 x 4.1				
254-DS238-RO	W	8	1.0	820-5K	Ferrite	ø23 x 4				
254-DS268-RO	X	8	0.5	550-20K	Nd-Fe-B	ø25.6 x 9.2				
254-DS2686-RO	Y	8	1.0	800-20K	Nd-Fe-B	ø26 x 4.5				
254-DS288-RO	Z	8	0.5	500-10K	Nd-Fe-B	ø28 x 5.0				
254-DS308-RO	AA	8	0.15	1300-5K	Nd-Fe-B	ø29.2 x 11.8				
254-DS368-RO	BB	8	1.0	550-6K	Nd-Fe-B	ø36 x 4.6				
254-DS4028-RO	CC	8	2.0	530-16.5K	Nd-Fe-B	40 x 28.3 x 11.5				
254-DS4020-RO	CC	8	2.0	400-2.2K	Nd-Fe-B	40 x 20 x 5.8				
254-DS408-RO	DD	8	1.0	600-6K	Nd-Fe-B	ø40 x 5.1				
254-DS458-RO	EE	8	1.0	500-6K	Nd-Fe-B	ø45 x 5.3				
254-DS708-RO	FF	8	2.0	300-20K	Nd-Fe-B	70 x 30 x 23.0				
254-DS718-RO	GG	8	4.0	380-20K	Nd-Fe-B	71 x 41 x 25.0				
254-DS5053-RO	HH	8	0.2	550-4.5K	Ferrite	ø50 x 16.5				
254-DS5084-RO	II	8	0.25	450-4.5K	Ferrite	ø50 x 16.9				
254-DS2812-RO	JJ	8	0.3	600-20K	Nd-Fe-B	ø28 x 3.9				



DIMENSIONS: in.



MALLORY SONALERT II™ - SURFACE MOUNT (WITH AND WITHOUT CIRCUITRY)

MOUSER STOCK NO.	Fig.	Resonate/Oscillating Frequency (Hz)	Rated Voltage Vpp	Operating Voltage (max.)	Sound Pressure dB (min.)	Current Consumption (max.)	Price Each		
							1	25	50
539-ASI301Q	A	2300 ±300 Hz	5 VDC	4~7 VDC	90 dB	30 mA			
539-ASI401Q	A	2300 ±300 Hz	12 VDC	9~15 Vpp	90 dB	50 mA			
539-AST100Q	B	4000 ±500 Hz	5 Vpp	15 Vpp	80 dB	1.5 mA			
539-AST200Q	C	2700 ±500 Hz	3 Vpp	2~5 Vpp	80 dB	80 mA			
539-AST501Q	A	2400 ±500 Hz	1.5 Vpp	1~2 Vpp	85 dB	70 mA			
539-AST605Q	A	2400 ±500 Hz	5 Vpp	4~7 Vpp	87 dB	50 mA			

MALLORY SONALERT®

• Board mount with circuitry • Low profile and compact • Piezo tone quality • Made in the USA

MOUSER STOCK NO.	Fig.	Frequency	Minimum Sound Pressure (dB/2 ft.)	Rated Voltage	Maximum Current	Price Each			
						1	25	50	100
539-MSR320R	D	3.40KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC				
539-MSR320SR	D	3.40KHz ± .4KHz	62 @ 3V	3-20VDC	3-16mA @ 3-20VDC				
539-MSR516NR	D	3.90KHz ± .4KHz	85 @ 12V	5-16VDC	3-16mA @ 5-16VDC				
539-MSO320R	E	3.15KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC				
539-MAS800Q	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC				
539-MAS800SQ	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC				
539-MAS803Q	F	2.8KHz ± .5Hz	95 @ 3V	3-7VDC	130mA @ 7VDC				
539-MAS806Q	F	2.8KHz ± .5Hz	95 @ 6V	5-14VDC	50mA @ 14VDC				
539-MSR516NSR	D	3.90KHz	85 @ 12V	5-16VDC	3-16mA @ 5-16VDC				
539-MAS806SQ	F	2.8KHz	95 @ 6V	5-14VDC	3-16mA @ 5-16VDC				

MALLORY SONALERT II™ - SPECIALTY BOARD MOUNT WITH CIRCUITRY

MOUSER STOCK NO.	Fig.	Sound Type	Freq.	Minimum Sound Pressure (dB/2 ft.)	Rated Voltage	Maximum Current	Price Each			
							1	25	50	100
539-MSR516NPR	D	Fast Pulse	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC				
539-MSR516NJR	D	Slow Pulse	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC				
539-MSR516WR	D	Whooping	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC				
539-MSR516XR	D	Siren	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC				

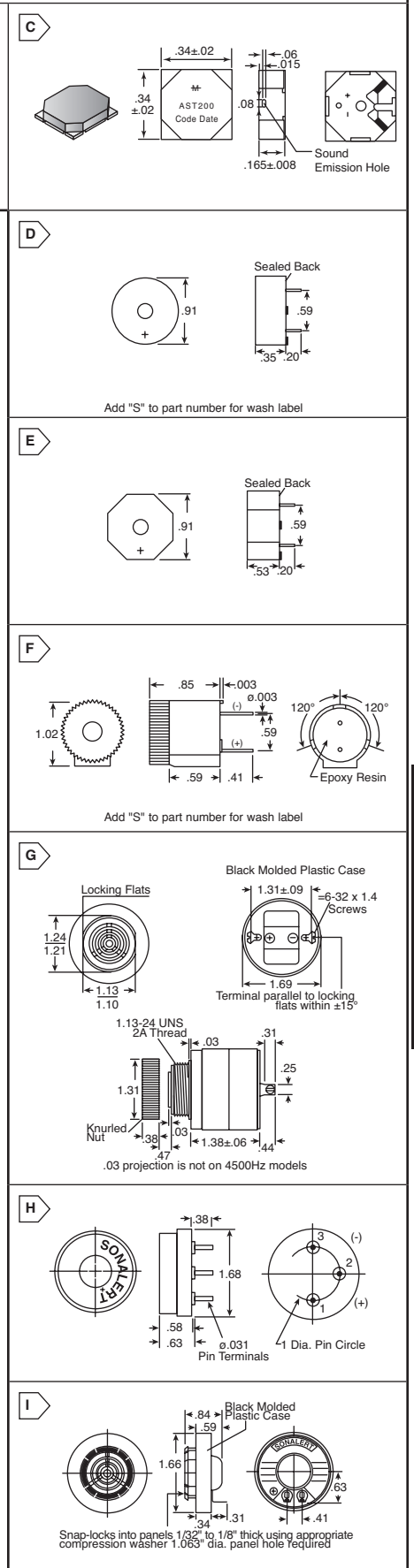
MALLORY SONALERT® INTERMITTENT TONES

MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage † AC/DC Non-Polar All others DC only		Sound Pressure dB (A) @ 2 ft.		Typical Operating Current (mA)		Price Each		
				Min.	Max.	@ V Min.	@ V Max.	@ Min. V	@ Max. V	1	25	50
Fast Pulse												
539-SC110HPR	G	Panel	4500	† 30	† 120	68	80	6	20			
539-SC110PR	G	Panel	2900	† 30	† 120	68	80	6	21			
539-SC250PR	G	Panel	2900	† 60	† 250	68	78	4	13			
539-SC616NPR	H	Panel	2900	6	16	80	95	4	16			
539-SC628DPR	H	Panel	1900	6	28	60	75	6	23			
539-SC628ANPR	H	Panel	2900	6	28	80	95	4	30			
539-SC628NDP	H	Panel	2000	10	28	85	95	2	10			
539-SC628NPR	H	Panel	2900	6	28	80	90	4	16			
539-SC628PR	I	Panel	2900	6	28	68	80	6	22			
539-SC648ANPR	H	Panel	2900	10	48	91	104	4	26			
Chime												
539-SC616CPR	I	Panel	2900	6	16	68	78	3	8			
539-SC628CPNR	H	Panel	2900	6	28	84	95	6	16			
Slow Pulse												
539-SC110JR	G	Panel	2900	† 30	† 120	68	80	6	21			
539-SC110NJR	G	Panel	2900	† 30	† 120	80	95	8	28			
539-SC616NJR	H	Panel	2900	6	16	80	95	4	16			
539-SC628AJR	H	Panel	2900	6	28	68	80	4	16			
539-SC628ANJR	H	Panel	2900	6	28	80	95	4	30			
539-SC628DJR	H	Panel	1900	6	28	60	75	5	23			
539-SC628EJR	H	Panel	1900	6	28	50-62	65-78	0.5	2			
539-SC628JR	H	Panel	2900	6	28	68	80	5	20			
539-SC628JWR	H	Panel	2900	6	28	78	89	5	20			
Short Pulse												
539-SC628K	H	Panel	2900	6	28	68	80	6	23			
539-SC110KR	G	Panel	2900	† 30	† 120	70	80	6	22			
Warble												
539-SC630JWR	H	Panel	1800	9	30	65	80	-	40			
Siren												
539-SC648S	H	Panel	1900	10	48	80	90	3.5	6.5			

© Copyright 2014 Mouser Electronics

For current pricing, visit mouser.com

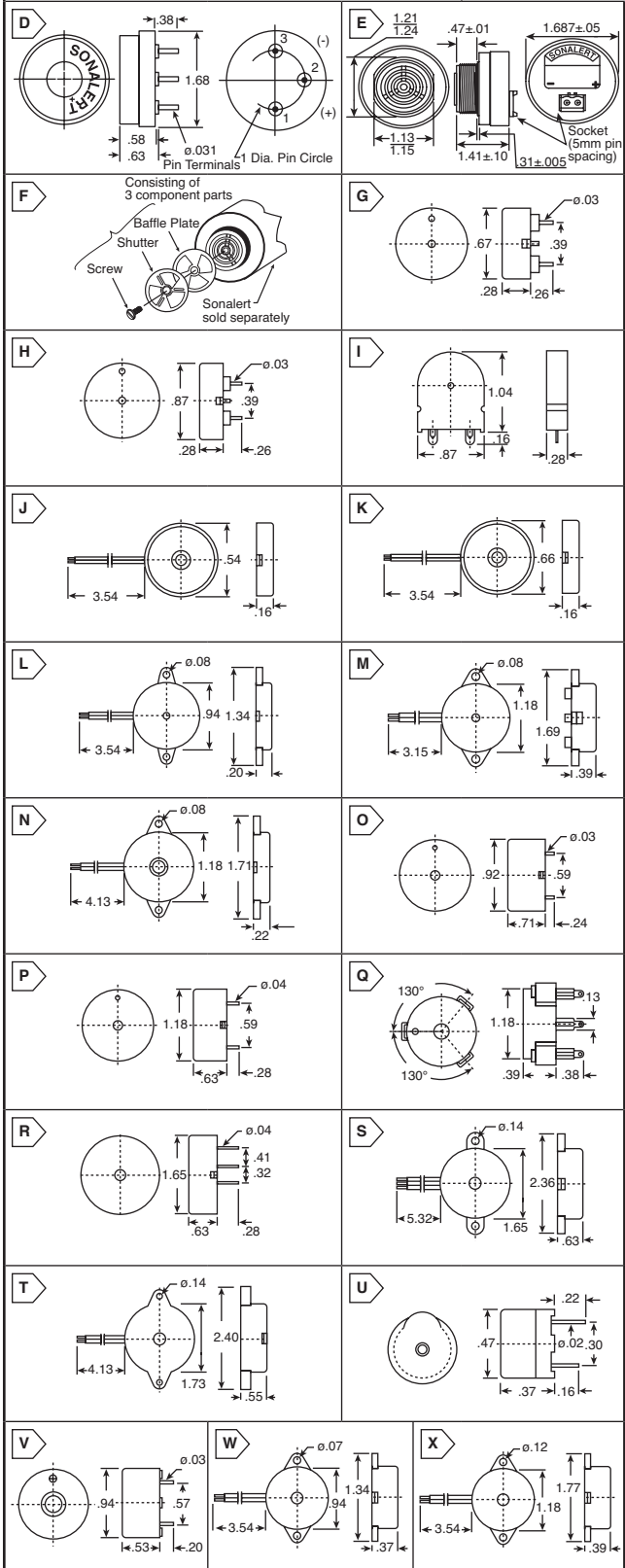
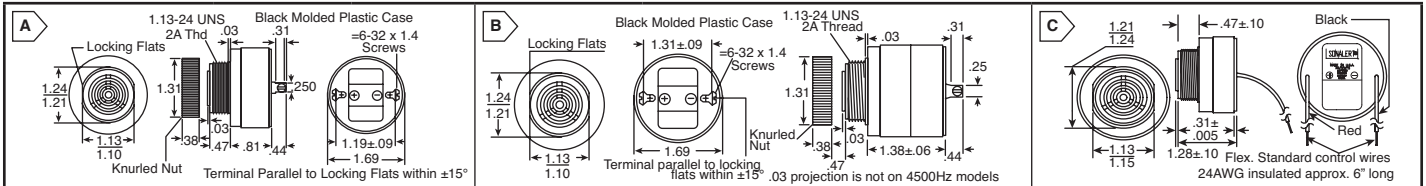
mouser.com/mallory-sonalert



© Copyright 2014 Mouser Electronics

EUsales@mouser.com

1839



MALLORY SONALERT® CONTINUOUS TONES

• Medium loudness † AC/DC Non-Polar, All others DC only

DIMENSIONS: (in.)

MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage		Sound Pressure dB (A) @2ft.		Typical Operating Current(mA)		Price Each		
				Min.	Max.	@ VMin.	@ VMax.	@ Min.V	@ Max.V	1	25	50
* 539-SC105R	A	Panel	2900	1	5	60	75	3	5			
* 539-SC110DR	B	Panel	1900	†30	†120	60	75	6	21			
* 539-SC110HR	B	Panel	4500	†30	†120	68	80	6	20			
* 539-SC110NR	B	Panel	2900	†30	†120	80	95	8	28			
* 539-SC110R	B	Panel	2900	†30	†120	68	80	6	21			
* 539-SC250DR	B	Panel	1900	†60	†250	60	72	5	16			
* 539-SC250R	B	Panel	2900	†60	†250	68	80	5	18			
* 539-SC307NR	A	Panel	2900	3	7	80	90	3	8			
* 539-SC416R	A	Panel	2900	4	16	68	80	4	14			
* 539-SNP428R	B	Snap in	2900	†4	†28	64	78	3	18			
* 539-SC616NR	B	Panel	2900	†6	†16	80	95	4	16			
* 539-SC616NLR	C	Panel	2900	60	16	80	95	6	22			
* 539-SC628ADR	A	Panel	1900	6	28	60	75	4	15			
* 539-SC628ANR	D	Panel	2900	6	28	80	95	8	28			
* 539-SC628APR	B	Panel	2900	†6	†28	68	80	2	10			
* 539-SC628AR	B	Panel	2900	†6	†28	68	80	6	23			
* 539-SC628DR	A	Panel	1900	6	28	60	75	6	23			
* 539-SC628M	A	Panel	2900	6	28	70	85	4	16			
* 539-SC628MN	A	Panel	2900	6	28	80	90	4	16			
* 539-SC628NR	A	Panel	2900	6	28	80	90	3	14			
* 539-SC648ANR	B	Panel	2900	†10	†48	91	104	4	26			
* 539-SC648AR	B	Panel	2900	†10	†48	68	80	4	16			
* 539-SC628R	A	Panel	2900	6	28	68	80	3	18			
* 539-SC648R	A	Panel	2900	10	48	68	80	4	18			
* 539-SC110ER	B	Panel	1900	†30	†120	50/63	65/78	4	10			
* 539-SC250ER	B	Panel	1900	†60	†250	55/65	65/78	5	16			
* 539-SC628ER	A	Panel	1900	6	28	55/65	65/75	3	11			
* 539-SC628FR	A	Panel	2900	6	28	55/68	70/80	2	4			
* 539-SC628HR	B	Panel	4500	6	28	78	89	6	23			
* 539-SC628NDR	A	Panel	2000	6	28	75	95	3	15			
* 539-SC628NLR	C	Panel	2900	6	28	80	90	4	16			
* 539-SC628AHR	B	Panel	4500	6	28	68	80	4	16			
* 539-SCE016XD3CTB	E	Panel	2900	6	16	95	105	-	40			
* 539-SCE028LA3CTB	E	Panel	2900	†16	†28	85	95	-	20			
* 539-SCE028LD3CTB	E	Panel	2900	16	28	85	95	-	40			
* 539-SCE028MD3CTB	E	Panel	2900	16	28	75	85	-	40			
* 539-SCE120MA3CTB	E	Panel	2900	†48	†120	75	85	-	20			

Chime

* 539-SCE028MD3CM1B	E	Panel	2900	16	28	75	85	-	40			
---------------------	---	-------	------	----	----	----	----	---	----	--	--	--

Double Tone

* 539-SCE028XD3MG5B	E	Panel	3	16	28	85	105	-	40			
---------------------	---	-------	---	----	----	----	-----	---	----	--	--	--

Fast Double Beep

* 539-SC120XA3DP2B	E	Panel	2900	48	120	95	105	-	40			
--------------------	---	-------	------	----	-----	----	-----	---	----	--	--	--

MALLORY VOLUME CONTROL

• Manual • Produces approximately -10dB to -15dB attenuation For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Material	Description	Price Each		
539-SCVC	F	Black plastic	For SC series only	1	25	50

MALLORY MOUNTED PIEZO TRANSDUCERS

• No Circuitry For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins / Leads	Resonant Frequency ±500 (Hz)	Operating Voltage (max.)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
External Drive, No Feedback									
539-PT-1540PQ	G	2 pins	4000	25Vp-p	1.5	85			
539-PT2040PQ	H	2 pins	4000	30Vp-p	1.5	90			
539-PT2020PQ	I	2 pins	2000	30Vp-p	1.5	80			
539-PT-1250WQ	J	2 wires	4800	30Vp-p	1.5	80			
539-PT1550WQ	K	2 wires	5000	25Vp-p	1.5	80			
539-PT2060WQ	L	2 wires	6000	30Vp-p	1.5	90			
539-PT2725WQ	M	2 wires	2500	30Vp-p	1.5	90			
539-PT2745WQ	N	2 wires	4500	30Vp-p	1.5	90			
539-PT2130PQ	O	2 pins	3000	30Vp-p	5.0	90			
539-PT2726PQ	P	2 pins	2500	30Vp-p	1.5	90			
Self Drive with Feedback									
539-PT-2735FPLQ	Q	3 pins	3500	3-28VDC	10	88			
539-PT3529FPQ	R	3 pins	2900	3-28VDC	8	90			
539-PT2038FWQ	K	3 wires	3800	3-28VDC	8	85			
539-PT3529FWQ	S	3 wires	2900	3-28VDC	8	90			
Telephone Ringer									
539-PT4175WQ	T	2 wires	750	40Vp-p	1.5	87			

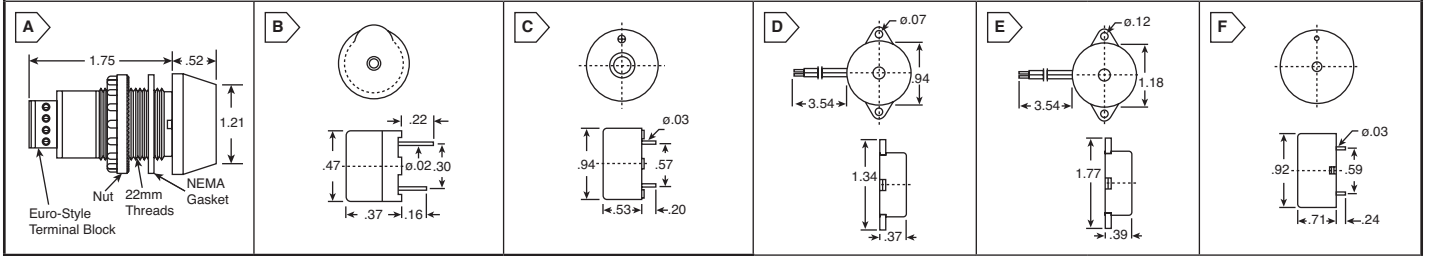
MALLORY ELECTRO-MAGNETIC INDICATORS

• With Circuitry For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Rated Volt. (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
Small Size									
539-PB-12N23P-01Q	U	1	2300	1.25-2.5	25	80			
539-PB12N23P05Q	U	5	2300	4.5-5.5	50	85			
539-PB-12N23P-12Q	U	12	2300	9.0-15	50	85			
539-PB12N32MP05AQ	V	5	3200	3-7	50	85			
539-PK26N04P06AQ	W	6	450	4-8	40	95			
539-PK26N04P12AQ	X	12	400	8-14	45	95			

Mallory-Sonalert Audio

DIMENSIONS: in.



MALLORY ZA SERIES: 22MM PANEL ALARM WITH TERMINAL BLOCKS

PRODUCT NEW

• NEMA 3R/4X/12; IP-66

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Rated Volt. (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
						1	25	50
539-ZA028MDCT	A	Continuous	16-28	40	75-85			
539-ZA028MACT	A	Continuous	16-28	40	75-85			
539-ZA028MDFP1	A	Fast Pulse	16-28	40	75-85			
539-ZA028LDCT	A	Continuous	16-28	40	85-95			
539-ZA028LDFP1	A	Fast Pulse	16-28	40	85-95			
539-ZA028LACT	A	Continuous	16-28	40	85-95			
539-ZA028LAFP1	A	Fast Pulse	16-28	40	85-95			
539-ZA120MACT	A	Continuous	48-120	40	75-85			
539-ZA120MACT	A	Continuous	48-120	40	75-85			
539-ZA120LACT	A	Continuous	48-120	40	85-95			
539-ZA120LAFP1	A	Fast Pulse	48-120	40	85-95			
539-ZA016MDCT	A	Continuous	6-16	40	75-85			
539-ZA016LDCT	A	Continuous	6-16	40	85-95			
539-ZA016LDFP1	A	Fast Pulse	6-16	40	85-95			

MALLORY PIEZO INDICATORS

• With Circuitry

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
PC Mount, 2 Pins									
539-PB-12N23P-01Q	B	1	2300	1.25-2.5	25	80			
539-PK20A38PQ	C	Constant	3.8	3-24	15	95			
539-PK20A25PQ	C	Constant	2.5	3-24	25	95			
539-PK27A25PSQ	D	Constant	2.5	3-24	10	95			
539-PK-12N40PQ	E	Constant	4.1	3-15	10	83			
539-PK-21A31PQ	F	Constant	3.0	3-24	18	85			
539-PF21A31PQ	F	Fast	3.0	3-24	18	85			
Flange Mount, 2 Wires									
539-PK21N30WQ	G	Constant	3.0	1.5-30	12	80			
539-PK-27N26WQ	H	Constant	2.5	3-28	15	90			
539-PF27N36WQ	H	Fast	3.5	3-28	15	90			
539-PL-27N26WQ	H	Slow	2.5	3-28	15	90			
539-PK27N36WQ	H	Constant	3.5	3-28	15	90			
Panel and Flange Mount, 2 Wires									
539-PK20A35EWQ	I	Constant	3.5	3-24	10	95			
539-PF20A35EWQ	I	Constant	3.5	3-24	10	95			
Panel and Flange Mount, 3 Wires									
539-PFD-20A35EWQ	I	Con.+Fast	3.5	3-24	10	95			

MALLORY PIEZO AUDIO TRANSDUCERS, MINIATURE SPEAKERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Type	Resonant Frequency ±200 (Hz)	Operating Voltage (max.)	Impedance (Ω)	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB-2712PQ	J	Cone	1250	2-5Vp-p	8.0	85			

MALLORY PIEZO ELECTRO-MAGNETIC TRANSDUCERS, SMALL SIZE

For quantities greater than listed, call for quote.

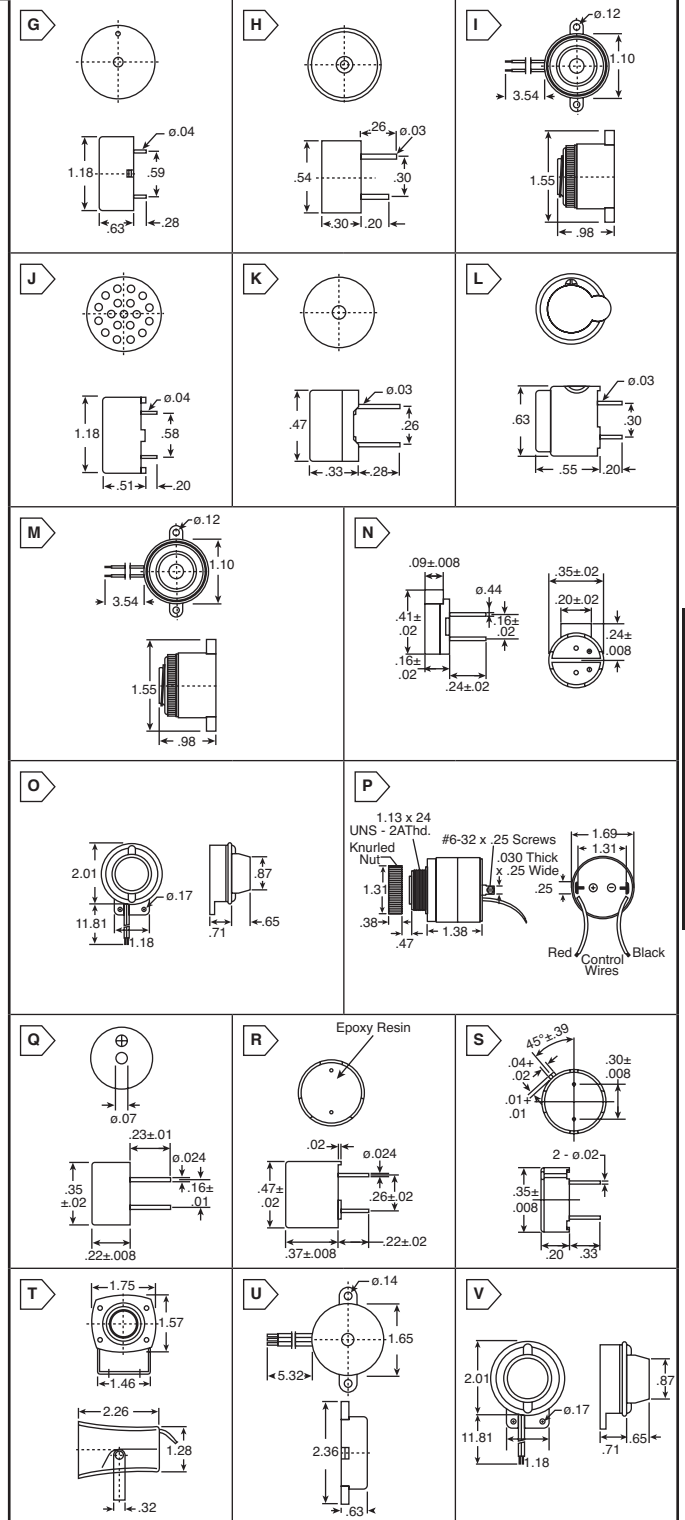
MOUSER STOCK NO.	Fig.	Rated Voltage (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB-1220PQ	K	1.5	2048	1.25-2.5	40	85			
539-PB1221PQ	K	1.5	2048	1.25-2.5	18	80			
539-PB1621PQ	L	5	2048	4-7	60	85			
539-PB1622PQ	L	12	2048	10-14	40	85			
539-PB09C27PE01AQ	M	1.5	2731	1.25-2.0	70	80			
539-PB09C27PE05AQ	N	5.0	2731	4.5-5.5	70	85			
539-PB1820PL06AQ	O	6.0	3250	3.0-10.0	40	85			
539-PB0627PE05AQ	P	5.0	2731	4.0-5.0	90	70			
539-PB0927PD1AQ	Q	5.0	2700	3.0-7.0	80	85			
539-PB1226PEAQ	R	1.5	2600	1.1-3.0	30	85			
539-PB1420PL03AQ	S	3.0	2000	1.0-4.0	35	85			

MALLORY PIEZOELECTRIC SIRENS

• Extra Loud

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Tone	Operating Frequency (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	10	25
539-PS520Q	T	Constant	3.0±.5	5-15	200	105			
539-PS562Q	U	Hi-Low	2.5/3.5	5-15	40	100			
539-PS-983Q	V	Sweep	1.5-3.5	5-15	150	105			



PUI AUDIO Audio Transducers and Elements



RoHS Compliant This product is RoHS compliant.

ELECTROMECHANICAL AUDIO TRANSDUCERS

Features:

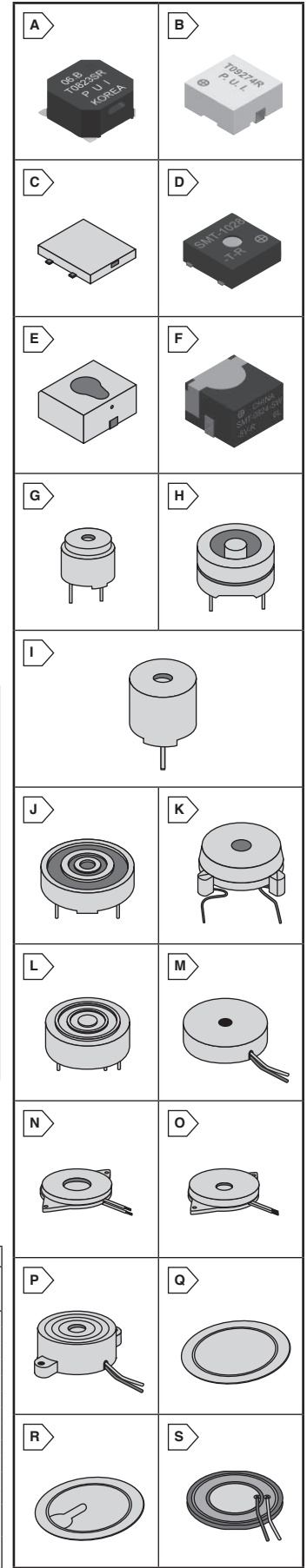
- Lower resonant frequency
- Available in multiple mounting types
- Smaller in size
- Multiple tones at multiple frequencies

Applications:

- Appliances and white goods
- POS and Barcode Scanners
- Medical Equipment
- Hand held devices
- Test Equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (Max.)	SPL Min. (10cm) (dB)	Dimensions: mm	Price Each			
								1	25	50	100
SMT Mount Type											
665-SMT-0823-S-R	SMT-0823-S-R	A	2300	5	70	87	4 x 8.5 x 8.5				
665-SMT-0927-S4R	SMT-0927-S-4-R	B	2700	3.6	100	85	4 x 9 x 9				
665-SMT0927-S5-R	SMT-0927-S-5-R	B	2700	5	80	85	4 x 9 x 9				
665-SMT1028-SR	SMT-1028-S-R	C	2800	3.6	100	93	3.5 x 10 x 10				
665-SMT1028TR	SMT-1028-T-R	D	2800	3.6	100	90	3.5 x 10 x 11				
665-SMT1324TW5V-R	SMT-1324-TW-5V-R	E	2400	5	40	85	6.5 x 12.5 x 12.5				
665-SMT-1427-S-R	SMT-1427-S-R	-	2700	5	80	85	3.4 x 14.2 x 11				
665-SMT1427TR	SMT-1427-T-R	-	2700	5	80	85	3.4 x 14.2 x 11				
665-SMT0824SW3VR	SMT-0824-SW-3V-R	F	2400	3	60	80	5.5 x 8.5 x 8.5				
665-SMT0824SW5VR	SMT-0824-SW-5V-R	F	2400	3	80	80	5.5 x 8.5 x 8.6				
665-SMT0827SW3VR	SMT-0827-SW-3V-R	F	2700	5	60	85	5.5 x 8.5 x 8.7				
665-SMT0827SW5VR	SMT-0827-SW-5V-R	F	2700	5	80	85	5.5 x 8.5 x 8.8				
PCB Mount Type											
665-AT-1620-TWTR	AT-1620-TWT-R	G	2000	6	40	85	14 x 16 x 16				
665-AT-1620TWT12VR	AT-1620-TWT-12VR	G	2000	12	40	85	14 x 16 x 16				
665-AT1031TTR	AT-1031-TT-R	G	3100	1.5	80	85	6.5 x 9.6 X 9.6				
665-AT-1220TTR	AT-1220-TT-R	H	2000	1.5	10	85	8.5 x 12 x 12				
665-AT-1224TTR	AT-1224-TWT-R	I	2400	5	40	85	9 x 12 x 12				
665-AT-1220-TT-5R	AT-1220-TT-5-R	H	2000	1.5	10	73	5.5 x 12 x 12				
665-AT1228TTR	AT-1228-TT-R	I	2800	1.5	40	85	10 x 12 x 12				



PIEZO AUDIO TRANSDUCERS

Features:

- Low resonant frequency
- Available in multiple mounting types
- Low power consumption
- Multiple tones at multiple frequencies
- High reliability

Applications:

- Appliances and white goods
- POS and Barcode Scanners
- Medical Equipment
- Hand held devices
- Test Equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (Max.)	SPL Min. (10cm) (dB)	Dimensions: mm	Price Each			
								1	25	50	100
SMT Mount Type											
665-SMT2225TR	SMT-2225-T-R	-	2500	10	8	80	5.6 x 22 x 22				
665-SMT2240TWR	SMT-2240-TW-R	-	4000	10	3	90	7 x 22.5 x 22.5				
PCB Mount Type											
665-AT-1438TWTR	AT-1438-TWT-R	I	3800	5	1	80	6.8 X 13.8x 13.8				
665-AT-1740-TT-3-R	AT-1740-TT-3-R	J	4000	3	1	78	6.7 x 16.5 x 16.5				
665-AT1740TTR	AT-1740-TT-R	J	4000	5	3	78	7 x 16.8 x 16.8				
665-AT2336TWTR	AT-2336-TWT-R	K	3600	12	8	90	6 x 22.5 x 22.5				
665-AT2428TWTR	AT-2428-TWT-R	L	3000	12	8	92	12.2 x 24 x 24				
665-AT-2440TWTR	AT-2440-TWT-R	J	4000	3	1	80	7.5 x 24 x 24				
665-AT2460TWTR	AT-2460-TWT-R	J	6000	10	8	85	4.5 x 24 x 24				
665-AT2720TTR	AT-2720-TT-R	K	2000	10	3.5	88	9 x 26.5 x 23				
665-AT-2830-TWT-R	AT-2830-TWT-R	K	3000	12	8	93	12.7 x 28.5 x 28.5				
665-AT3425TWTR	AT-3425-TWT-R	K	2500	12	7	85	11.5 x 33.6 x 33.6				
665-AT-4228-TWT-F-R	AT-4228-TWT-F-R	L	2800	12	7	92	14 x 42 x 42				
Flush and Flange Mount Type											
665-AT1750TFLW95R	AT-1750-TFL-LW95-R	M	5000	10	9	80	4 x 16.5 x 16.5				
665-AT2460TFLW100R	AT-2460-TF-LW100-R	N	6000	10	8	88	4 x 34 x 24				
665-AT3045TFLW110R	AT-3045-TF-LW110-R	O	4500	10	11	97	5.1 x 44.5 x 30				
665-AT3237TFLW140-R	AT-3237-TF-LW140-R	P	3700	12	7	98	13.5 x 44 x 32				
665-AT4230TFLW135R	AT-4230-TF-LW135-R	P	3000	10	9	96	16 x 60 x 41.8				

PIEZO CERAMIC BENDERS (ELEMENTS)

Features:

- Low cost option
- Available in brass, stainless steel and nickel alloy
- Low power consumption
- Can also be used as a switch
- High reliability

Applications:

- Appliances and white goods
- Test Equipment
- Medical Equipment
- POS and Barcode Scanners

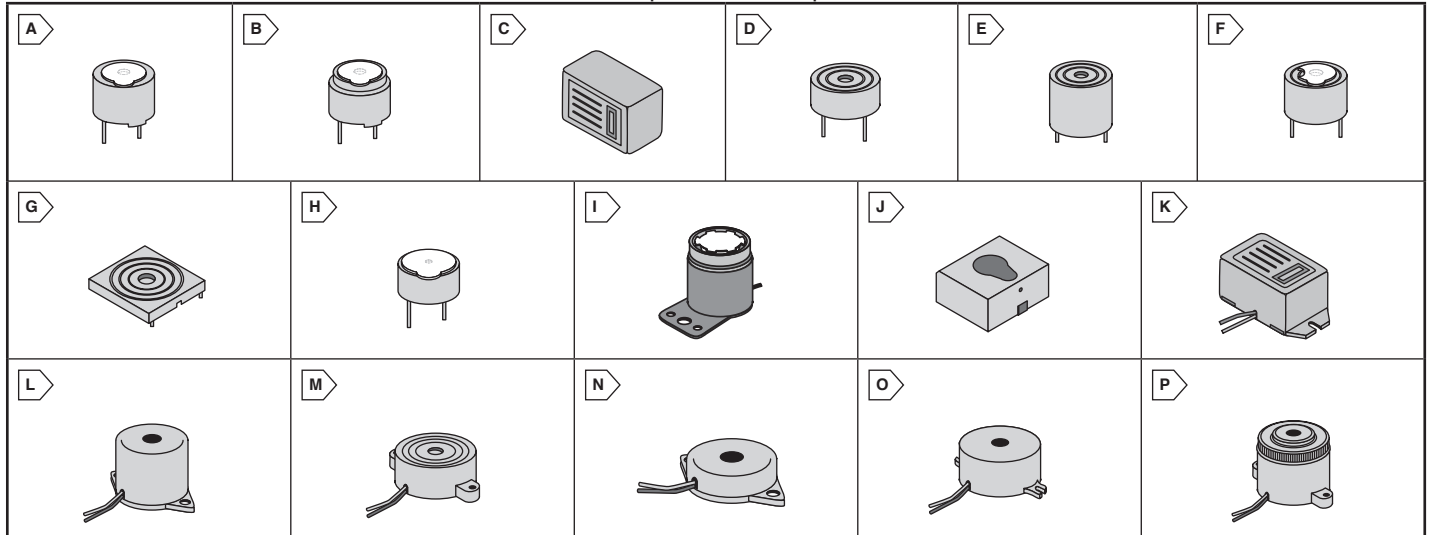
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Feed-back	Resonance (Hz)	Input Voltage	Electro-static Capacitance	Dimensions: mm			Price Each			
							Ceramic Diameter	Total Thickness	Bender Thickness	1	25	50	100
665-AB1070B	AB1070B	Q	No	7000	15	10000	7.4	.12	.05				
665-AB1290B	AB1290B	Q	No	9000	30	8000	9.0	.21	.10				
665-KBI-1541	AB1541	Q	No	4100	15	8000	8.4	.20	.10				
665-AB2025B	AB2025B	Q	No	2500	30	80000	15.0	.10	.05				
665-KBI-2036F	AB2036AF	R	Yes	3700	30	20000	15.0	.21	.10				
665-AB2040B	AB2040B	Q	No	4000	30	25000	15.0	.28	.15				
665-AB2065B	AB2065B	Q	No	6500	30	14000	15.0	.42	.20				
665-AB2072S	AB2072S	Q	No	7200	30	10000	14.0	.43	.20				
665-AB2720B	AB2720B	Q	No	2000	30	45000	20.0	.23	.10				
665-KBI-2734	AB2734B	Q	No	3400	30	13000	14.6	.53	.30				
665-AB2745BF	AB2745BF	R	Yes	4500	20	16000	20.0	.51	.25				
665-AB2746B	AB2746B	Q	No	4600	20	16000	20.0	.50	.25				
665-KBI-3526	AB3526B	Q	No	2600	30	30000	25.0	.53	.25				
665-KBI-3529F	AB3529BF	R	Yes	2900	30	25000	25.0	.58	.30				
665-AB4113B	AB4113B	Q	No	1300	30	150000	32.0	.40	.10				
665-APS4812B-LW100-R	APS4812B-LW100-R	S	No	1200	30	65000	44.0	2.20	2.20				

PUI AUDIO Audio Indicators



RoHS Compliant **This product is RoHS compliant.**



AUDIO INDICATORS

Features:

- Built in drive circuit
- Available in multiple mounting types
- Available in different tones

Additional Features for Flange and Panel Mount:

- Higher SPL output
- Wider voltage range

Applications:

- Appliances and white goods
- Medical Equipment
- Test Equipment
- POS and Barcode Scanners
- Hand held devices

Additional Applications for Flange and Panel Mount:

- Industrial equipment
- Leisure equipment (golf carts, ATVs, etc.)

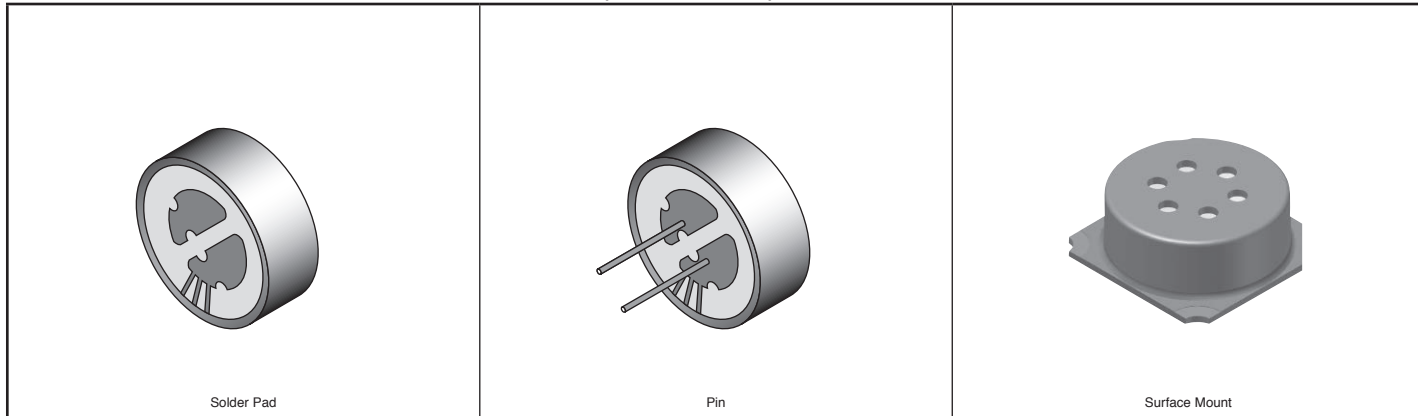
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency (KHz)	Rated Voltage (VDC)	Rated Current (Max mA)	SPL Min. (10cm) (dB)	Dimensions: mm	Washable	Tone	Price Each					
										1	25	50	100		
PCB Mount Type															
665-AI-1223TWT12VR	AI-1223-TWT-12V-R	A	2300	12	30	85	9.5 x 12 x 12	Yes	Continuous						
665-AI-1223TWT5VR	AI-1223-TWT-5V-R	A	2300	5	30	85	9.5 x 12 x 13	Yes	Continuous						
665-AI-1440TWT12VR	AI-1440-TWT-12V-R	A	4000	12	7	80	7.5 x 13.8 x 13.8	Yes	Continuous						
665-AI-1622TWT12VR	AI-1622-TWT-12V-R	B	2200	12	30	85	14 x 16 x 16	Yes	Continuous						
665-AI-1622TWT5VR	AI-1622-TWT-5V-R	B	2200	5	30	85	14 x 16 x 17	Yes	Continuous						
665-AI2304TT24V2R	AI-2304-TT-24V-2-R	C	400	24	30	85	15.5 x 17 x 23	No	Continuous						
665-AI-2331TWTR	AI-2331-TWT-R	D	3100	12	15	85	9.7 x 23.4 x 23.4	Yes	Continuous						
665-AI2332TWT12VR	AI-2332-TWT-12V-R	D	3200	12	13	85	10.2 x 23.3 x 23.3	Yes	Continuous						
665-AI2429TT12VR	AI-2429-TT-12V-R	E	2900	12	8	95	16 x 23.8 x 23.8	No	Continuous						
665-AI2429TWT12V2R	AI-2429-TWT-12V-2-R	F	2900	12	8	100	16 x 23.8 x 23.8	Yes	Continuous						
665-AI2429TWT12V3R	AI-2429-TWT-12V-3-R	F	2900	12	8	95	16 x 23.8 x 23.8	Yes	Continuous						
665-AI-2429TWTR	AI-2429-TWT-R	F	2900	12	8	100	16 x 23.8 x 23.8	Yes	Continuous						
665-AI2304TT24V-R	AI-2304-TT-24V-R	C	400	24	30	81	14 x 17 x 22.5	No	Continuous						
665-AI3039TWT12VR	AI-3039-TWT-12V-R	F	3900	12	15	100	20 x 30 x 30	Yes	Continuous						
665-AI-2437TWTR	AI-2437-TWT-R	F	2000	12	8	100	18 x 24 x 24	Yes	Continuous						
665-AI2438TTR	AI-2438-TT-R	D	2000	12	8	95	17.2 x 24 x 24	No	Continuous						
665-AI-3018-TWT-R	AI-3018-TWT-R	F	3100	12	13	87	17.5 x 30 x 30	Yes	Continuous						
665-AI4033TWTR	AI-4033-TWT-R	G	2000	12	8	95	8.1 x 40 x 40	Yes	Continuous						
665-AI-4228-TWT-R	AI-4228-TWT-R	H	2800	12	10	99	14 x 42 x 42	Yes	Continuous						
665-AI5025TWTR	AI-5025-TWT-R	F	2000	12	75	115	29 x 50 x 50	Yes	Continuous						
665-X2629-TWT-R	X-2629-TWT-R	-	2800	12	35	107	22.8 x 25 x 26	Yes	Continuous						
665-XL5530LW300S-R	XL-5530-LW300-S-R	I	Siren	12	260	123	54.5 x 54.5 x 56	No	Siren						
Surface Mount Type															
665-SMI1324TW5VR	SMI-1324-TW-5V-R	J	4000	5	30	85	6.7 x 12.5 x 12.5	Yes	Continuous						
665-SMI1324TW3VR	SMI-1324-TW-3V-R	J	2500	3	30	75	6.5 x 12.8 x 12.8	Yes	Continuous						
665-SMI-1324TW5V2R	SMI-1324-TW-5V-2-R	J	4000	5	30	88	6.5 x 12.8 x 12.8	Yes	Continuous						
665-SMI1324TW12VR	SMI-1324-TW-12V-R	J	2400	12	30	85	6.5 x 12.51 x 3.1	Yes	Continuous						
665-SMI1740TW12VR	SMI-1740-TW-12V-R	J	4000	12	15	83	7.8 x 17 x 17	Yes	Continuous						
Flange Mount Type															
665-AI2304TFLW12012R	AI-2304-TF-LW120-12V-R	K	4000	12	30	89	15.5 x 17 x 22.8	No	Continuous						
665-AI2304TFLW1205VR	AI-2304-TF-LW120-5V-R	K	6000	4.5	20	75	15.5 x 17 x 23	No	Continuous						
665-AI2304TFLW120R	AI-2304-TF-LW120-R	K	2000	24	24	86	15.5 x 17 x 23	No	Continuous						
665-AI2337TFLW115R	AI-2337-TF-LW115-R	L	3000	12	8	100	17 x 23 x 33	No	Continuous						
665-AI2604TFLW11512R	AI-2604-TF-LW115-12V-R	M	4600	12	50	89	16.2 x 26 x 39	No	Continuous						
665-AI2604TFLW11524R	AI-2604-TF-LW115-24V-R	M	2500	24	25	92	16.2 x 26 x 39	No	Continuous						
665-AI-3245TFLW95R	AI-3245-TF-LW95-R	N	4500	12	5	90	10.8 x 22 x 32	No	Continuous						
665-AI4228-TFLW1403R	AI-4228-TF-LW140-3-R	M	2800	12	10	106	16 x 41.8 x 60	No	Continuous						
665-AI4228TFLW1404R	AI-4228-TF-LW140-4-R	M	2800	12	7	95	16 x 41.8 x 60	No	Continuous						
665-AI4228TFLW140CR	AI-4228-TF-LW140-C-R	M	5000	12	10	106	16 x 41.8 x 60	No	Continuous						
665-AI4228TFLW140FPR	AI-4228-TF-LW140-FP-R	M	6000	12	10	98	16 x 41.8 x 60	No	Continuous						
665-AI-4228TFLW140R	AI-4228-TF-LW140-R	M	4500	12	10	105	16 x 41.8 x 60	No	Continuous						
665-X4032TFLW105R	X-4032-TF-LW105-R	O	3700	90	9	97	23 x 40 x 50	No	Continuous						
665-X4033-TF-LW80-R	X-4033-TF-LW80-R	O	3000	6	9	106	23 x 40 x 50	No	Continuous						
665-XL2835TFPFLW150R	XL-2835-TF-FP-LW150-R	P	3500	12	5	92	25.4 x 28 x 39.5	No	Fast						
665-XL2835TFLW150R	XL-2835-TF-LW150-R	P	3500	12	6	95	25.4 x 28 x 39.5	No	Continuous						

PUI AUDIO Electret Condenser Microphones



This product is RoHS compliant.



ELECTRET CONDENSER MICROPHONES

Features:

- Electret Condenser
- Small in size
- Available in omni-directional, uni-directional and noise canceling
- Available with internal feedback capacitors
- Low power consumption
- Available in multiple mounting types

Applications:

- Hand Held Devices
- Medical equipment and systems
- Security alarms and equipment
- Computer related devices
- Voice-activated equipment

Omni-Directional

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Terminal Type	Dimensions: mm	Sensitivity (dB)	Impedance (KΩ)	VDC	Washable	Price Each			
								1	25	50	100
665-AOM-6742L-R	AOM-6742L-R	Solder Pad	6.7 x 9.7	-42	2.2	1.5	No				
665-AOM4546L-R	AOM-4546L-R	Solder Pad	4.5 x 9.7	-46	2.2	1.5	No				
665-AOM4546P-R	AOM-4546P-R	Pin	4.5 x 9.7	-46	2.2	1.5	No				
665-AOM-4544P-2-R	AOM-4544P-2-R	Pin	4.5 x 9.7	-44	2.2	1.5	No				
665-AOM-4540L-R	AOM-4540L-R	Solder Pad	6.5 x 9.4	-40	2.2	1.5	No				
665-AOM6545P-R	AOM-6545P-R	Pin	5.2 x 6	-45	1	4.5	No				
665-POM5238P-R	POM-5238P-R	Pin	3.5 x 6	-38	2.2	2	No				
665-POM3546L-R	POM-3546L-R	Solder Pad	3 x 6	-46	2.2	2	No				
665-POM3042L-R	POM-3042L-R	Solder Pad	3 x 6	-42	2.2	2	No				
665-POM2744PC33-R	POM-2744P-C33-R	Pin	3.2 x 6	-44	2.2	2	No				
665-POM2738L-R	POM-2738L-R	Solder Pad	2.2 x 6	-38	2.2	2	No				
665-POM2738PC33R	POM-2738P-C33-R	Pin	2.7 x 6	-38	2.2	2	No				
665-POM-2738P-R	POM-2738P-R	Pin	2.7 x 6	-38	2.2	2	No				
665-POM-2735P-R	POM-2735P-R	Pin	2.7 x 6	-35	2.2	3	No				
665-POM2246P2R	POM-2246P-2-R	Pin	2.2 x 6	-46	2.2	2	No				
665-POM2246PC33R	POM-2246P-C33-R	Pin	2.2 x 6	-46	2.2	2	No				
665-POM2244LC33R	POM-2244L-C33-R	Solder Pad	2.2 x 6	-44	2.2	2	No				
665-POM2244P2R	POM-2244P-2-R	Pin	2.2 x 6	-44	2.2	2	No				
665-ROM2244PNFR	ROM-2244P-NF-R	Pin	2.2 x 5.8	-44	2.2	2	No				
665-ROM2238PNFR	ROM-2238P-NF-R	Pin	2.2 x 5.8	-38	2.2	2	No				
665-TOM1242LNFR	TOM-1242L-NF-R	Solder Pad	1.2 x 4	-42	2.2	2	No				
665-TOM1545P-R	TOM-1545P-R	Pin	1.5 x 4	-45	2.2	2	No				
665-AOW4544PC3310BR	AOW-4544P-C3310-B-R	Pin	4.5 x 9.7	-44	2.2	2	Yes				
665-POW2742PC3310BR	POW-2742P-C3310-B-R	Pin	2.7 x 6	-42	2.2	2	Yes				
665-POW2242LC3310BR	POW-2242L-C3310-B-R	Solder Pad	2.2 x 6	-42	2.2	2	Yes				
665-POW2242PC3310BR	POW-2242P-C3310-B-R	Pin	2.2 x 6	-42	2.1	2	Yes				
665-POW1644LBR	POW-1644L-B-R	Solder Pad	1.6 x 6	-44	2.2	3	Yes				
665-POW1644PBR	POW-1644P-B-R	Pin	1.6 x 6	-44	2.2	3	Yes				
665-POS1644RC33102R	POS-1644R-C3310-2-R	Surface Mount	1.6 x 6.4 x 6.4	-44	2.2	3	No				
665-POS1644RC3310R	POS-1644R-C3310-R	Surface Mount	1.6 x 8.8 x 6.4	-44	2.2	3	No				

Uni-Directional

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Terminal Type	Dimensions: mm	Sensitivity (dB)	Impedance (KΩ)	VDC	Washable	Price Each			
								1	25	50	100
665-PUM3046L-R	PUM-3046L-R	Solder Pad	3 x 6	-46	2.2	2	No				
665-PUM3546L-R	PUM-3546L-R	Solder Pad	3.5 x 6	-46	2.2	2	No				
665-PUM5250L-R	PUM-5250L-R	Solder Pad	5.2 x 6	-50	2.2	2	No				
665-DUM5246L-R	DUM-5246L-R	Solder Pad	5.2 x 8	-46	2.2	2	No				
665-AUM-5247L-R	AUM-5247L-R	Solder Pad	5.2 x 9.7	-47	0.68	1.5	No				

Noise Canceling

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Terminal Type	Dimensions: mm	Sensitivity (dB)	Impedance (KΩ)	VDC	Washable	Price Each			
								1	25	50	100
665-TNM3054L-R	TNM-3054L-R	Solder Pad	3 x 4.5	-54	2.2	2	No				
665-PNM2751L-R	PNM-2751L-R	Solder Pad	2.7 x 6	-51	2.2	2	No				
665-PNM3546L-R	PNM-3546L-R	Solder Pad	3.5 x 6	-46	2.2	2	No				
665-PNM5250L-R	PNM-5250L-R	Solder Pad	5.2 x 6	-50	2.2	1.5	No				
665-ANM-5254L-R	ANM-5254L-R	Solder Pad	5.2 x 9.7	-54	0.68	1.5	No				

PUI AUDIO Speakers

RoHS Compliant This product is RoHS compliant.



MULTI-LAYER PIEZO SPEAKERS

Features:

- Thin compact size
- Low power consumption
- Multiple mounting options
- Wide frequency range
- 100% Factory Tested

Applications:

- Touch panel displays
- Camera equipment
- Other handheld devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated / Max. Power (Vp-p)	SPL (dBA)	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
								1	25	50	100
665-APS2714S-R	APS2714S-R	A	1 x 23 x 26.5	4/10	75	1400	300-20K				
665-APS2718S-T-R	APS2718S-T-R	B	0.8 x 24.8 x 27.3	4/10	75	1800	300-20K				

SPEAKERS

Features:

- Wide range of sizes
- Available in paper, mylar and cloth cone
- Low profile versions available
- Multiple configurations such as round, oval, square
- Also available in surface mount and PCB mount

Applications:

- Hand held devices
- Medical equipment and systems
- Security alarms and equipment
- Industrial equipment
- Leisure equipment
- Test equipment
- POS and Barcode scanners
- Desktop Phones
- Computers

Round

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-AS01308MR2R	AS01308MR-2-R	C	2.8 x 13 x 13	0.2	0.3	8	Mylar	1100	700 - 5000				
665-AS01308MRR	AS01308MR-R	C	2 x 13 x 13	0.2	0.4	8	Mylar	1050	1050 - 20000				
665-AS01708MR-SC-R	AS01708MR-SC-R	C	2.9 x 15 x 15	0.3	0.5	8	Mylar	750	750 - 5000				
665-AS02008MRR	AS02008MR-R	C	3 x 20 x 20	0.5	0.8	8	Mylar	500	500 - 4000				
665-AS03008MRR	AS03008MR-R	C	4.8 x 30 x 30	0.5	1	8	Mylar	650	650 - 15000				
665-AS04508MR3R	AS04508MR-3-R	C	5 x 45 x 45	1	1.5	8	Mylar	450	450 - 6000				
665-AS05008MR-R	AS05008MR-R	C	18.5 x 50 x 50	0.2	0.4	8	Mylar	550	550 - 4500				
665-AS05008PR2R	AS05008PR-2-R	C	18.5 x 50 x 50	0.2	0.4	8	Paper	550	550 - 4500				
665-AS06608MRR	AS06608MR-R	C	12.5 x 66 x 66	0.5	0.8	8	Mylar	380	380 - 7500				
665-AS04008PRR	AS04008PR-R	C	6.55 x 40 x 40	0.5	0.8	8	Paper	700	700 - 4750				
665-AS05008PR6R	AS05008PR-6-R	C	18.5 x 50 x 50	0.4	0.7	8	Paper	500	500 - 5000				
665-AS05008PRR	AS05008PR-R	C	9.5 x 50 x 50	0.1	0.2	8	Paper	500	500 - 4500				
665-AS13708PRR	AS13708PR-R	C	31.5 x 137 x 137	5	10	8	Paper	160	160 - 5700				

Oval

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-AS07008PO2R	AS07008PO-2-R	D	23 x 30.5 x 70	2	5	8	Paper	300	300 - 20000				
665-AS07104PO-R	AS07104PO-R	D	25 x 41 x 71	3	5	4	Paper	100	100 - 20000				
665-AS07108PO-3-R	AS07108PO-3-R	D	23.5 x 41 x 71	3	5	8	Paper	250	100 - 20000				
665-AS02708COR	AS02708CO-R	D	6 x 20.5 x 27	1	2	8	Cloth	550	250 - 20000				
665-AS04008COR	AS04008CO-R	D	5.8 x 20 x 40	2	3	8	Cloth	400	200 - 20000				
665-AS04008PO2R	AS04008PO-2-R	D	11.5 x 28.3 x 40	1	2	8	Paper	450	450 - 20000				
665-AS04008PS4WR	AS04008PS-4W-R	D	11.5 x 28.3 x 40	2	4	8	Paper	380	380 - 20000				
665-AS07108POR	AS07108PO-R	D	25 x 41 x 71	3	5	8	Paper	250	100 - 20000				

Square

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-AS05008MSR	AS05008MS-R	E	12 x 50.5 x 50.5	1.5	3	8	Mylar	800	800 - 7000				
665-AS06608PSR	AS06608PS-R	E	29 x 66.3 x 66.3	4	5	8	Paper	230	230 - 12000				
665-AS07708PS2R	AS07708PS-2-R	E	25.5 x 77 x 77	4	8	8	Paper	270	270 - 8000				

PCB Mount

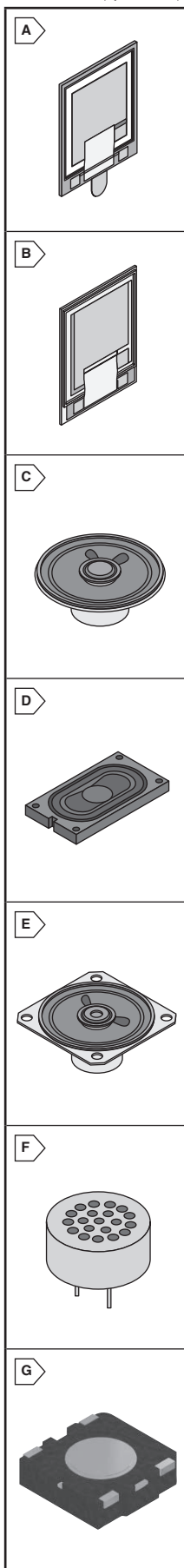
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-AST-01508MR-R	AST-01508MR-R	F	7.5 x 15 x 15	0.3	0.5	8	Mylar	1700	1700 - 20000				
665-AST01532MRR	AST-01532MR-R	F	7.5 x 15 x 15	0.3	0.5	32	Mylar	2100	2100 - 20000				
665-AST-02308MR-R	AST-02308MR-R	F	8.5 x 23 x 23	0.08	0.15	8	Mylar	1500	600 - 20000				
665-AST03008MRR	AST-03008MR-R	F	12.5 x 29.9 x 29.9	0.15	0.2	8	Mylar	1400	500 - 20000				
665-AST-03032MR-R	AST-03032MR-R	F	12 x 30 x 30	0.1	0.2	32	Mylar	1200	1200 - 20000				
665-AST-030C0MR-R	AST-030C0MR-R	F	12.7 x 29.7 x 29.7	0.15	0.3	100	Mylar	1200	1200 - 10000				
665-AST-03208MR-R	AST-03208MR-R	F	15.1 x 31.9 x 31.9	0.1	0.2	8	Mylar	1500	500 - 20000				
665-AST1732MR-R	AST-1732MR-R	F	8 x 17 x 17	0.2	0.5	32	Mylar	1700	1700 - 20000				

Surface Mount

For quantities greater than listed, call for quote.

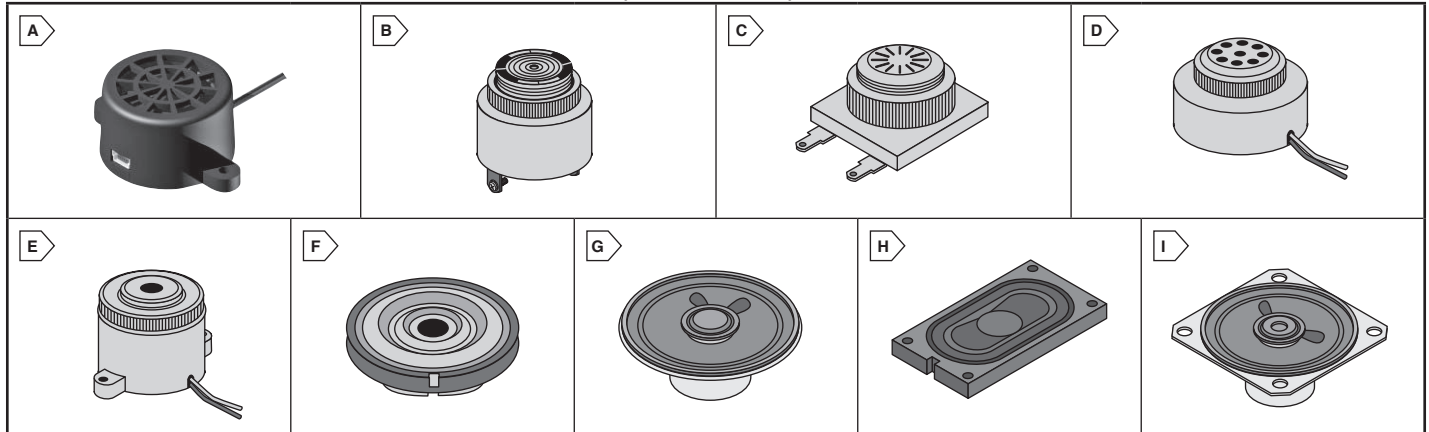
MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-SMS-1508-2R	SMS-1508-2-R	G	5 x 15 x 15	0.3	0.5	8	Mylar	850	850 - 20000				



Projects Unlimited Audio

PUI AUDIO Speakers, Indicators, and Sirens

RoHS Compliant This product is RoHS compliant.



PROGRAMMABLE INDICATORS

Specifications:

- Voltage Range: 7 ~ 24VDC
- Max. File Length: 33 seconds

Features:

- Ability to program any WAV or MP3 file
- Simple-to-use Windows interface

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Resonant Frequency (Hz)	Tone	SPL Min. (10cm)	Rated Voltage	Rated Current (Max. mA)	Washable	Price Each					
										1	25	50	100		
665-API-4260-LW150-R	API-4260-LW150-R	A	60 x 25 x 42	100 ~6000	Continuous	100dB	12VDC	350	No						
Accessories											Description				
665-API-CABLE	API-CABLE		1 meter USB to mini B USB cable												

INDICATORS

Features:

- UL Recognized

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Resonant Frequency (Hz)	Tone	SPL Min. (10cm)	Rated Voltage	Rated Current (Max. mA)	Washable	Price Each			
										1	25	50	100
665-AI4228PC28R	AI-4228-P-C28-R	B	32.5 x 42.5 x 42.5	2800	Continuous	88dB	12VDC	10	No				
665-AI4329P-SR28R	AI-4329-P-SP28-R	B	32.5 x 42.5 x 42.5	2900	Slow	88dB	12VDC	6	No				
665-AI-4328PC282-R	AI-4328-P-C28-2-R	B	32.5 x 42.5 x 42.7	2800	Continuous	97dB	12VDC	8	No				

PANEL MOUNT SPEAKERS

Features:

- Higher SPL output
- Wider voltage range

Applications:

- Industrial equipment
- Leisure equipment (golf carts, ATVs, etc.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Resonant Frequency (Hz)	Tone	SPL Min. (10cm)	Voltage Range (VDC)	Rated Voltage	Rated Current (Max. mA)	Washable	Price Each			
											1	25	50	100
665-AI-4328PC282-R	AI-4328-P-C120D-R	B	33 x 42.5 x 42.5	2800	Continuous	98dB	30 - 120	110VAC/VDC	17	No				
665-AI4329PFP28R	AI-4329-P-FP28-R	B	33 x 43 x 43	2900	Fast	88dB	6 - 28	12VDC	6	No				
665-AI4329P-SR28R	AI-4329-P-SP28-R	B	33 x 43 x 43	2900	Slow	88dB	4 - 28	12VDC	6	No				
665-AI-4429-P-C12-R	AI-4429-P-C12-R	B	34.5 x 43.5 x 43.5	2900	Continuous	105dB	1 - 16	12VDC	30	No				
665-AI4429PCP12R	AI-4429-P-CP12-R	B	34.5 x 43.5 x 43.5	2900	Multiple	100dB	4 - 16	12VDC	25	No				
665-X-4028-P-C32-R	X-4028-P-C32-R	C	23 x 40 x 40	2800	Continuous	105dB	3 - 32	32VDC	22	No				
665-X5328PCLW165-R	X-5328-P-C-LW165-R	D	31 x 53 x 53	2800	Continuous	103dB	3 - 12	6VDC	20	No				

SIRENS

Features:

- Extremely loud output
- Multiple tone outputs
- Available with visual notification
- Available with or without volume control

- Will operate in extreme conditions
- Can be used for warning or alerting in potentially dangerous/noisy environments

Applications:

- Fire, safety and security
- Industrial panels and devices
- Industrial vehicles
- Marine equipment
- Public transportation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Resonant Frequency (Hz)	Voltage Range	Typical SPL (10cm)	Tone	Price Each			
								1	25	50	100
665-AW10FRNSVC	AW-10FR-NSVC	E	43 x 52.5 x 71	4000	9 - 28VDC	118dB	2 Tones				
665-AW10PWNSVC	AW-10PW-NSVC	D	45 x 50 x 50	3000	9 - 28VDC	106dB	2 Tones				
665-AW15SBW	AW-15SBW	-	75 x 93 x 93	2800	9 - 28VDC	NA	32 Tones				

MINIATURE SPEAKER TRANSDUCERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-ADS02008MRR	ADS02008MR-R	F	4 x 19.9 x 19.9	0.08	0.2	8	Mylar	750	750 - 5000				
665-ADS02908MRR	ADS02908MR-R	F	9.5 x 29 x 29	0.1	0.2	8	Mylar	650	650 - 4000				

WATER RESISTANT SPEAKERS

Features:

- Extends life of normal paper speaker
- Offers the sound quality of a paper diaphragm speaker with the element resistance of a mylar diaphragm speaker
- Water resistant coating has little to no effect on the quality of sound reproduction

- Coating process is FAA Approved and used daily in military and aerospace applications
- Water resistant coating material is MIL-I-46058C and IPC-CC-830 qualified and is in full compliance with RoHS standards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Dimensions: mm (H x W x L)	Rated Power (W)	Max. Power (W)	Impedance (Ω)	Cone Material	Resonant Frequency (Hz)	Frequency Range (Hz)	Price Each			
										1	25	50	100
665-AS04008PRWRR	AS04008PR-WR-R	G	6.55 x 40 x 40	0.5	0.8	8	Treated Paper	700	700 - 4750				
665-AS05008PRWRR	AS05008PR-WR-R	G	12 x 50 x 50	1	1.5	8	Treated Paper	550	550 - 5000				
665-AS02708COWRR	AS02708CO-WR-R	H	6 x 20.5 x 27	1	3	8	Treated Cloth	550	250 - 20000				
665-AS04008PO2WRR	AS04008PO-2-WR-R	H	11.5 x 28.3 x 40	1	2	8	Treated Paper	450	450 - 20000				
665-AS04008PS4WRR	AS04008PS-4W-WR-R	I	11.5 x 28.3 x 40	2	4	8	Paper	380	380 - 20000				
665-AS07108POWRR	AS07108PO-WR-R	H	25 x 41 x 71	3	5	8	Treated Paper	250	100 - 20000				
665-AS09008PO2WRR	AS09008PO-2-WR-R	H	40.5 x 50 x 90	5	8	8	Paper	240	240 - 18000				
665-AS06608PSWRR	AS06608PS-WR-R	I	29 x 66.3 x 66.3	4	5	8	Treated Paper	230	230 - 12000				
665-AS07708PS2WRR	AS07708PS-2-WR-R	I	25.5 x 77 x 77	4	8	8	Treated Paper	270	270 - 8000				

DAVIES MOLDING Knobs



RoHS Compliant This product is RoHS compliant.



RoHS Compliant

POINTER CONTROL KNOBS

- Hole Size: .25"
- Set Screw Size: 8-32
- High Gloss Phenolic

† - No indicator line.

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Price Each			
					1	10	100	250
† 5164-1400	1400	A	1/2	13/32				
† 5164-1450	1450	B	11/16	13/32				
5164-1470AQ	1470AQ	C	1 1/8	1/2				
† 5164-1475	1475	D	1	1/2				
5164-1500	1500AU	E	1 1/8	9/16				
5164-1510AH	1510AH	F	3/4	9/16				
5164-1520X	1520-X	G	1 1/2	3/4				
5164-1550AG	1550AG	H	1 1/8	5/8				
5164-2300	2300BM	I	1 13/64	5/8				
† 5164-2300A	2300	I	1 13/64	5/8				
† 5164-2310	2310	J	1 3/16	1/2				
5164-2350AH	2350AH	K	2	5/8				

FLUTED INSTRUMENT KNOBS

- Fluted for precise controls
- Terrific range of sizes, including a family of skirted knobs
- High gloss phenolic
- Hole size: .25" (1910EL= .125")

† - No indicator line.

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Set Screw	Price Each			
						1	10	100	250
5164-1600BM	1600BM	L	1 1/2	11/16	8-32				
5164-1610AA	1610AA	M	29/32	19/32	8-32				
5164-1900	1900	N	1/2	5/8	6-32				
† 5164-1910CQ	1910CQ	O	3/4	1/2	8-32				
5164-1910CS	1910CS	O	3/4	1/2	8-32				
5164-1910EL	1910EL	O	3/4	1/2	6-32				
5164-1913BW	1913BW	O	1 1/8	5/8	8-32				
5164-1919AE	1919AE	P	1 1/4	5/8	8-32				
5164-1930BQ	1930BQ	Q	1 1/2	27/32	8-32				
5164-1940BE	1940BE	Q	2 1/32	15/16	8-32				

MINIATURE CLAMP KNOBS

- Available with a wide flange female insert for positive contact. Good electrical properties in small clamp knobs.
- Hole Size = Insert Size

‡ - Projecting Stud

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-1770	1770	R	31/64	1/2	8-32	1/4				
5164-2700E	2700-E	S	9/16	1/2	10-32	5/16				
5164-2710B	2710-B	T	3/4	1/2	8-32	5/16				
5164-2715L	2715-L	U	45/64	35/64	10-32	5/16				
‡ 5164-2720L	2720-L	V	5/8	9/16	8-32	3/8				
5164-2720Q	2720-Q	V	5/8	9/16	8-32	1/4				

INSTRUMENT AND CONTROL KNOBS

- Distinctive knobs for special applications
- Glossy or satin finish Phenolic for durability and good appearance

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Set Screw	Price Each			
						1	10	100	250
5164-1100	1100	W	25/32	15/32	6-32				
5164-1105	1105	X	1	39/64	8-32				
5164-1110	1110	Y	1 9/32	21/32	8-32				
5164-1120	1120	Z	1-3/4	51/64	10-32				
5164-1202BA	1202BA	AA	25/32	5/8	8-32				

THREE ARM KNOB

- Perfect for the smaller, everyday clamping needs and applications
- Material: Phenolic
- Insert: Brass
- Hole Size: 1/4-20"

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-3025AG	3025AG	BB	1 1/8	3/4	1/4-20	1				

KNURLED CLAMPING KNOB

- These knobs have been designed with straight knurls on the side to create an attractive and effective gripping surface

*: Diameter in table measured at knob base or skirt.

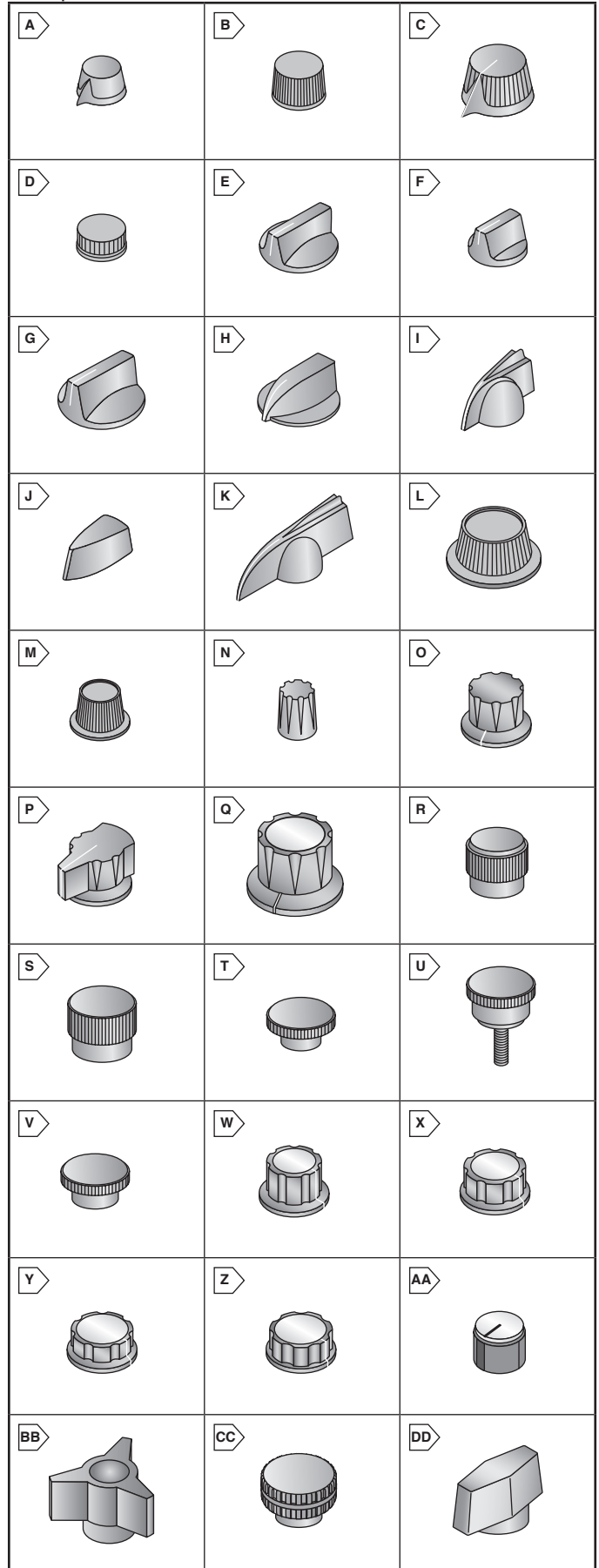
MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-3055BA	3055BA	CC	1 1/4	3/4	5/16-18	1/2				

BAR KNOB

- No matter what your application may be, a bar knob is perfect for your clamping needs.
- Material: Phenolic
- Hole Size: 5/16-18"

*: Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-3085	3085	DD	1-1/8	3/4	1/4-20	3/5				



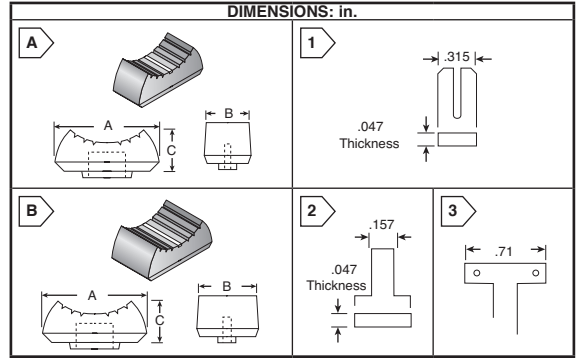
Davies Molding

Knobs

SLIDE CONTROL KNOBS

Stylish and functional, these slide control knobs are available in several color combinations.

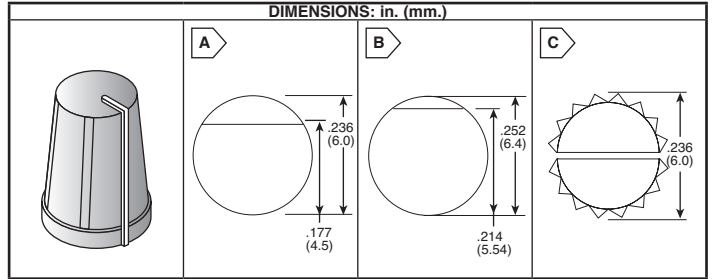
MOUSER STOCK NO.	Fig.	Body Color	Line Color	Shaft Size	Dimensions: in.			Price Each			
					A	B	C	1	10	100	500
					For quantities greater than listed, call for quote.						
450-SL2112	A1	Red	Black	1.2x8	.945	.591	.445				
450-SL2212	A1	Yellow	Black	1.2x8	.945	.591	.445				
450-SL2312	A1	Blue	Black	1.2x8	.945	.591	.445				
450-SL2412	A1	Green	Black	1.2x8	.945	.591	.445				
450-SL2512	A1	Gray	Black	1.2x8	.945	.591	.445				
450-SL2612	A1	Black	White	1.2x8	.945	.591	.445				
450-SL4512	B1	Gray	Black	1.2x8	1.02	.433	.433				
450-SL4514	B2	Gray	Black	1.2x4	1.02	.433	.433				
450-SL5512	B2	Gray	Black	1.2x4	.945	.354	.425				
450-SL6112	B3	Red	White	1.2x18	.953	.453	.406				
450-SL6312	B3	Blue	White	1.2x18	.953	.453	.406				
450-SL6512	B3	Gray	Black	1.2x18	.953	.453	.406				
450-SL6612	B3	Black	White	1.2x18	.953	.453	.406				
450-SL6712	B3	White	Black	1.2x18	.953	.453	.406				



TWO-COLOR RUBBERIZED KNOBS

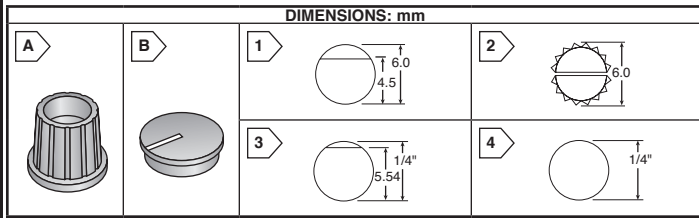
These rubberized two color knobs provide a clean, modern look with precise control. Available in several color combinations, these knobs provide a stylish look to any front panel.

MOUSER STOCK NO.	Fig.	Body Color	Line Color	Dimensions: in.			Price Each			
				Shaft	Dia.	Height	1	10	100	500
				For quantities greater than listed, call for quote.						
D Shaft (6mm)										
450-4660	A	Gray	Black	.236	.52	.61				
450-4661	A	Gray	Red	.236	.52	.61				
450-4662	A	Gray	Yellow	.236	.52	.61				
450-4663	A	Gray	Blue	.236	.52	.61				
450-4667	A	Gray	Gray	.236	.52	.61				
450-4760	A	Black	White	.236	.52	.61				
450-4761	A	Black	Red	.236	.52	.61				
450-4762	A	Black	Yellow	.236	.52	.61				
450-4763	A	Black	Blue	.236	.52	.61				
450-4764	A	Black	Green	.236	.52	.61				
450-4765	A	Black	Gray	.236	.52	.61				
D Shaft (6.4mm)										
450-4641	B	Gray	Red	.252	.52	.61				
450-4642	B	Gray	Yellow	.252	.52	.61				
450-4643	B	Gray	Blue	.252	.52	.61				
450-4646	B	Gray	Black	.252	.52	.61				
450-4647	B	Gray	Gray	.252	.52	.61				
450-4741	B	Black	Red	.252	.52	.61				
450-4742	B	Black	Yellow	.252	.52	.61				
450-4743	B	Black	Blue	.252	.52	.61				
450-4745	B	Black	Gray	.252	.52	.61				
450-4747	B	Black	White	.252	.52	.61				



MOUSER STOCK NO.	Fig.	Body Color	Line Color	Dimensions: in.			Price Each			
				Shaft	Dia.	Height	1	10	100	500
				For quantities greater than listed, call for quote.						
T18 (6mm, 18 Tooth Knurled Shaft)										
450-1518	C	Gray	Red	.236	.52	.61				
450-2518	C	Gray	Yellow	.236	.52	.61				
450-3518	C	Gray	Blue	.236	.52	.61				
450-6518	C	Gray	Black	.236	.52	.61				
450-7518	C	Gray	Gray	.236	.52	.61				
450-1C618	C	Black	Red	.236	.52	.61				
450-2C618	C	Black	Yellow	.236	.52	.61				
450-3C618	C	Black	Blue	.236	.52	.61				
450-5C618	C	Black	Gray	.236	.52	.61				
450-7618	C	Black	White	.236	.52	.61				

Eagle Plastic Devices Knobs



COLOR-CODED PLASTIC KNOBS AND CAPS

These push on control knobs can be customized by using color coded caps. Multiple colors are available from stock. Order color coded caps separately. *T18 is a 6mm, 18 tooth knurled shaft.



MOUSER STOCK NO.	Fig.	Color	Shaft Type	Dimensions: in.			Price Each			
				Shaft	Dia.	Height	1	10	100	500
				For quantities greater than listed, call for quote.						
450-AA150	A1	Black	D Shaft	.236	.59	.75				
450-AA150C	A1	Clear	D Shaft	.24	.59	.24				
450-AA151	A1	Lt. Grey	D Shaft	.236	.59	.75				
450-AA152	A2	Lt. Grey	T18 *	.236	.59	.75				
450-AA152C	A2	Clear	T18 *	.24	.59	.24				
450-AA180	A3	Black	D Shaft	.252	.71	.63				
450-AA181	A2	Black	T18 *	.236	.71	.63				
450-AA190	A3	Black	D Shaft	.252	.79	.75				
450-AA191	A2	Dk. Grey	T18 *	.252	.79	.75				
450-AA192	A2	Black	T18 *	.252	.79	.75				
450-AA193	A4	Black	set screw	.252	.79	.75				

MOUSER STOCK NO.	Fig.	Cap Color	Pointer Color	Fits Knob	Price Each			
					1	10	100	500
					For quantities greater than listed, call for quote.			
450-CP151	B	Red	White	450-AA150, 450-AA151, 450-AA152				
450-CP153	B	Blue	White					
450-CP155	B	Grey	White					
450-CP156	B	Black	White	450-AA180, 450-AA181				
450-CP157	B	White	Black					
450-CP158	B	Clear	White					
450-CP185	B	Grey	Black	450-AA180, 450-AA181				
450-CP186	B	Red	White					
450-CP191	B	Black	White	450-AA190, 450-AA191, 450-AA192, 450-AA193				
450-CP192	B	Yellow	White					
450-CP193	B	Blue	White					
450-CP194	B	Green	White					
450-CP195	B	Grey	White					
450-CP196	B	Black	White					

TWO-COLOR KNOBS

"Soft Touch" Knobs

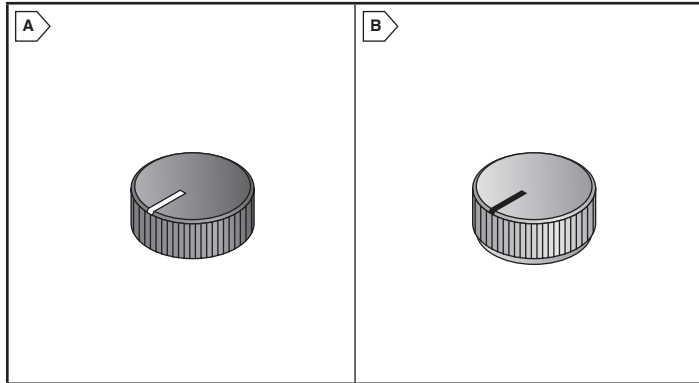
These rubberized "soft touch" two color knobs provide a clean look with tactile control. Available in several pointer colors, these knobs provide a stylish look to any front panel.

MOUSER STOCK NO.	Fig.	Color	Pointer Color	Dimensions: in.			Price Each			
				Shaft	Dia.	Height	1	10	100	500
				For quantities greater than listed, call for quote.						
T18 (6mm, 18 Tooth Knurled Shaft)										
450-BA160	A1	Black	Red	.236	.63	.57				
450-BA260	A1	Black	Yellow	.236	.63	.57				
450-BA360	A1	Black	Blue	.236	.63	.57				
450-BA460	A1	Black	Green	.236	.63	.57				
450-BA760	A1	Black	White	.236	.63	.57				
D Shaft										
450-BA161	A2	Black	Red	.236	.63	.57				
450-BA261	A2	Black	Yellow	.236	.63	.57				
450-BA361	A2	Black	Blue	.236	.63	.57				
450-BA461	A2	Black	Green	.236	.63	.57				
450-BA761	A2	Black	White	.236	.63	.57				
450-BA600	A2	Black	None	.236	.63	.57				

D Shaft Control Knobs

These two color plastic knobs combine a marker line on the body with an arrow on the top for precise control.

MOUSER STOCK NO.	Fig.	Color	Pointer Color	Dimensions: in.			Price Each			
				Shaft	Dia.	Height	1	10	100	500
				For quantities greater than listed, call for quote.						
450-WB118	B3	Black	Red line/top	.252	.67	.76				
450-WB218	B3	Black	Yellow line/top	.252	.67	.76				
450-WB318	B3	Black	Blue line/top	.252	.67	.76				
450-WB418	B3	Black	Green line/top	.252	.67	.76				



MACHINED ALUMINUM CONTROL KNOBS

Straight Knurl with Top Indicator Line, Single Set Screw

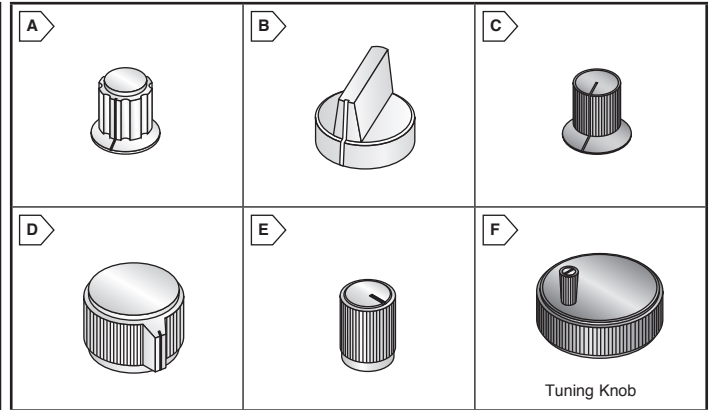
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions: in.			Price Each			
			Shaft	Dia.	Height	1	10	100	500
450-KB100	A	Natural	.125	.39	.49				
450-KB101	A	Black	.125	.39	.49				
450-KB200	A	Natural	.250	.79	.49				
450-KB201	A	Black	.250	.79	.49				
450-KB300	A	Natural	.250	1.18	.49				
450-KB301	A	Black	.250	1.18	.49				

Straight Knurl with Top and Side Indicator Line, Dual Set Screw

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions: in.			Price Each			
			Shaft	Dia.	Height	1	10	100	500
450-KLN510	B	Natural	.125	.50	.63				
450-KLN520	B	Black	.125	.50	.63				
450-KLN530	B	Natural	.250	.50	.63				
450-KLN540	B	Black	.250	.50	.63				
450-KLN710	B	Natural	.125	.74	.63				
450-KLN720	B	Black	.125	.74	.63				
450-KLN730	B	Natural	.250	.74	.63				
450-KLN740	B	Black	.250	.74	.63				
450-KLN910	B	Natural	.250	.94	.63				
450-KLN920	B	Black	.250	.94	.63				
450-KLN125A	B	Natural	.250	1.25	.63				
450-KLN125B	B	Black	.250	1.25	.63				



ALUMINUM KNOBS

Features:

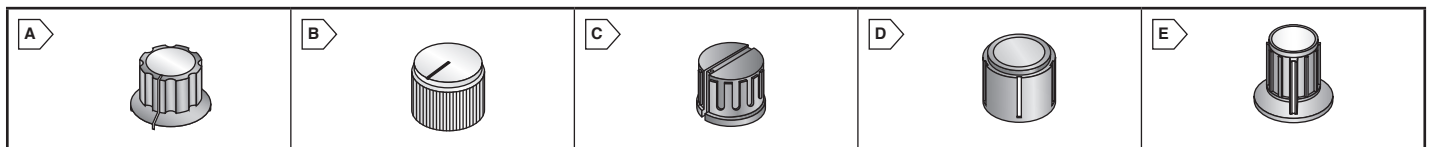
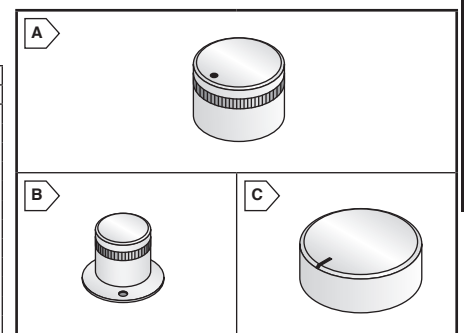
- Machined from solid aluminum
- Spin polished finish
- Dual set screws

MOUSER STOCK NO.	Fig.	Color	Shaft Size	Dimension: in.		Price Each				
				Dia.	Height	1	10	100	500	1000
450-MAS51	A	Natural	1/8	0.74	0.625					
450-MAS52	A	Black	1/8	0.74	0.625					
450-MAS53	A	Natural	1/4	0.74	0.625					
450-MAS54	A	Black	1/4	0.74	0.625					
450-MAS71	A	Natural	1/4	1.14	0.625					
450-MAS72	A	Black	1/4	1.14	0.625					
450-MAS91	A	Natural	1/4	1.40	0.625					
450-MAS92	A	Black	1/4	1.40	0.625					
450-MCB51	B	Natural	1/4	0.50	0.75					
450-MCB61	B	Natural	1/4	0.62	0.75					
450-MCB62	B	Black	1/4	0.62	0.75					
450-MCB71	B	Natural	1/4	0.74	0.90					
450-MCB72	B	Black	1/4	0.74	0.90					
450-MCB91	B	Natural	1/4	0.94	0.90					
450-MCB92	B	Black	1/4	0.94	0.90					
450-MLNS51	C	Natural	1/4	0.75	0.63					
450-MLNS52	C	Black	1/4	0.75	0.63					
450-MPN71	D	Natural	1/4	0.89	0.625					
450-MPN72	D	Black	1/4	0.89	0.625					
450-MPN91	D	Natural	1/4	1.10	0.625					
450-MPN92	D	Black	1/4	1.10	0.625					
450-MLN54	E	Black	1/4	0.50	0.625					
450-MLN72	E	Black	1/4	0.74	0.625					
450-1755	F	Black	1/4	1.75	1.14					

UNIQUE COMBINATION LIGHT WEIGHT ALUMINUM AND PLASTIC KNOBS

• Machined aluminum shell with plastic insert knob

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dimension in.		Price Each				
					Dia.	Height	1	10	100	500	1000
450-ME51	A	Natural/Black	Dual set screws	1/8	0.50	0.65					
450-ME52	A	Natural/Black	Dual set screws	1/4	0.50	0.65					
450-ME71	A	Natural/Black	Dual set screws	1/4	0.74	0.65					
450-MES51	B	Natural/Black	Dual set screws	1/8	0.74	0.63					
450-MES52	B	Natural/Black	Dual set screws	1/4	0.74	0.63					
450-MES71	B	Natural/Black	Dual set screws	1/4	1.13	0.63					
450-3825	C	Natural	Brass insert single set screw	1/4	1.50	0.63					
450-3225	C	Natural	Brass insert single set screw	1/4	1.26	0.55					
450-2925	C	Natural	Brass insert single set screw	1/4	1.14	0.55					
450-2225	C	Natural	Brass insert single set screw	1/4	0.87	0.51					
450-1825	C	Natural	Brass insert single set screw	1/4	0.71	0.47					
450-1425	C	Natural	Brass insert single set screw	1/4	0.55	0.63					



PLASTIC KNOBS

* T18 is a 6mm, 18 tooth knurled shaft.

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each				
							1	10	100	500	1000
450-3618	A	Black	Spun aluminum inlay	T18 *	1.06	0.63					
450-4618	A	Black	Spun aluminum inlay	T18 *	0.79	0.47					
450-AE181	B	White	Black ind. Line	T18 *	0.71	0.68					
450-AE185	B	Gray	Black ind. Line	T18 *	0.71	0.68					
450-AE186	B	Black	Black ind. Line	T18 *	0.71	0.68					
450-AE141	B	Black	Black ind. Line	T18 *	0.55	0.65					
450-CE15	C	Black	Brass insert single set screw	1/4	0.59	0.59					
450-3102-GR	D	Black	Spun aluminum inlay	D	0.78	0.62					
450-2401-GR	E	Black	Spun aluminum inlay	D	0.79	0.67					

CLEAR PLASTIC KNOBS



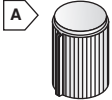
NEW
PRODUCT

*T18 is a 6mm, 18 tooth knurled shaft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Shaft Type	Dimension: in.		Price Each		
				Dia.	H	1	10	100
450-5300C	A	Clear/Black	Set Screw	.75	.57			
450-5310C	A	Clear/Black	T18*	.75	.57			
450-5320C	A	Clear/Black	D Shaft	.75	.57			
450-5100C	A	Clear/Black	Set Screw	1.06	.63			
450-5110C	A	Clear/Black	T18*	1.06	.63			
450-5120C	A	Clear/Black	D Shaft	1.06	.63			
45KN010C	B	Clear/Black	T18*	1.26	.54			
45KN011C	B	Clear/Black	Set Screw	1.26	.54			

COLOR CONTROL KNOBS

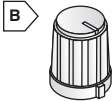


Fits .25 shafts
Black Indicator

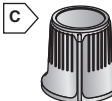
- Black plastic with white indicator except where noted
- Brass insert with set screw .25" knobs only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimension: in.		Price Each		
			Dia.	H	1	10	100
450-2040-GRX	A	BLK/RED	.52	.62			
450-2050-GRX	A	BLK/YEL	.52	.62			
450-2060-GRX	A	BLK/GRN	.52	.62			
450-2070-GRX	A	BLK/BLU	.52	.62			
450-3180-GRX	A	BLK/GRN	.75	.64			
450-3181-GRX	A	BLK/RED	.75	.64			
450-3182-GRX	A	BLK/YEL	.75	.64			
450-3183-GRX	A	BLK/BLU	.75	.64			
450-3021	B	BLK/RED	.52	.65			
450-3022	B	BLK/YEL	.52	.65			
450-3023	B	BLK/BLU	.52	.65			
450-3024	B	BLK/GRN	.52	.65			
450-3031	C	BLK/RED	.63	.59			
450-3033	C	BLK/BLU	.63	.59			
450-3034	C	BLK/GRN	.63	.59			



Fits 6mm, 18 tooth shaft
White Indicator



Fits 6mm, 18 tooth shaft
White Indicator

KNOBS FOR 1/8" SHAFTS

- Fits 148, 248, and PRV6 series
- Brass insert

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Color Top	Dimension: in.		Price Each		
		Dia.	H	1	10	100
450-0125	Body BLK/Top BLK	.46	.41			
450-0126	Body BLK/Top RED	.46	.41			

SOFT TOUCH KNOBS

- Plastic shell covered by a thick rubber finish
- Knob fits 6mm, 18 tooth knurled shaft
- Diameter measured at knob base

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Color	Dimension: in.		Price Each		
		Dia.	H	1	10	100
450-4010	Gray	.51	.71			
450-4011	Black	.51	.71			

SOLID COLOR KNOBS

- Knob fits 6mm, 18 tooth shaft
- Fits 313-2401, 31VF, 31CA, 31CB and 31CR Series

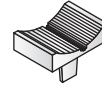
For quantities greater than listed, call for quote.



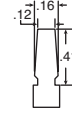
MOUSER STOCK NO.	Color	Dimension: in.		Price Each		
		Dia.	H	1	10	100
450-2051	Gray	.80	.64			
450-2061	Black	.80	.64			
450-2062	Black	.60	.59			

KNOBS FOR SLIDE POTENTIOMETERS

- Fits 312-9000, 9100, and 9302 series



Shaft Configuration



For quantities greater than listed, call for quote.

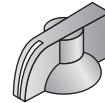
MOUSER STOCK NO.	Color	Dimension: in.			Price Each		
		L	W	H	1	10	100
450-3051	Black	.79	.68	.62			
450-3052	Gray	.79	.68	.62			

POINTER KNOB

- Brass insert
- Set screw included
- Knobs fit .25" shafts



RoHS Compliant
For quantities greater than listed, call for quote.



MOUSER STOCK NO.	Color	Dimension: in.		Price Each		
		Dia.	H	1	10	100
45KN012-GRX	Black	1.25	.65			

ALUMINUM CONTROL KNOBS

- Brass inserts
- Knobs fit .25" shafts
- Set screw included



MOUSER STOCK NO.	Fig.	Color	Dimension: in.		Price Each		
			Dia.	H	1	10	100
45KN030	A	Mirror	.79	.77			
45KN031	A	Mirror	.61	.65			
45KN032	A	Mirror	.87	.75			
450-7030	A	Black	.79	.77			
450-7031	A	Black	.61	.65			
450-7032	A	Black	.87	.75			
450-6015	B	Natural	.63	.55			
450-6016	B	Natural	.87	.55			
450-6017	B	Natural	1.10	.55			
450-7015	B	Black	.63	.55			
450-7016	B	Black	.87	.55			
450-3000	C	Natural	1.00	1.00			
450-6003	D	Natural	.50	.62			
450-6005	D	Natural	.75	.62			
450-6006	D	Natural	.94	.62			
450-6007	D	Natural	1.25	.62			
450-6008	D	Black	1.25	.62			
450-7005	D	Black	.75	.62			
450-6009	D	Black	.50	.62			
450-6010	D	Black	.94	.62			

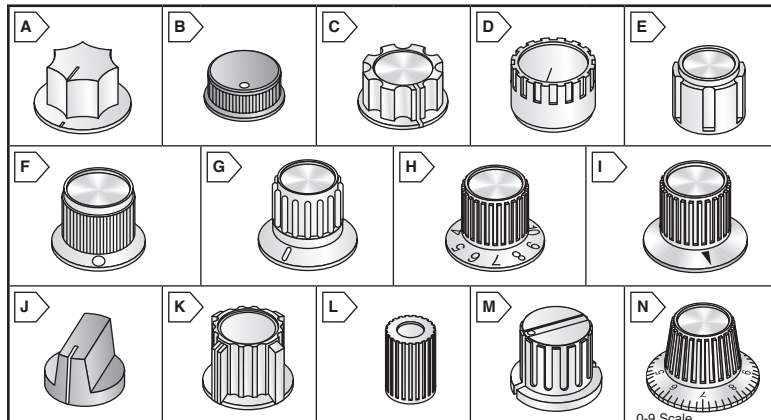
CONTROL AND INSTRUMENT KNOBS

- Brass inserts
- Knobs fit .25" shafts
- Set screw included with spun aluminum inlay

*Note: 45KN021-GRX - 0 to 10 Scale
450-1170-GRX - 1 to 10 Scale



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimension: in.		Price Each		
			Dia.	H	1	10	100
45KN013-GRX	A	Black	.94	.59			
45KN014-GRX	A	Black	1.32	.69			
45KN015-GRX	B	Black	.70	.38			
45KN016-GRX	C	Black	1.29	.63			
45KN017-GRX	C	Black	1.04	.56			
45KN018-GRX	C	Black	.75	.46			
45KN019-GRX	D	Black	1.00	.60			
45KN023-GRX	E	Black	.75	.63			
45KN026-GRX	E	Black	.78	.63			
45KN024-GRX	F	Black	.98	.57			
45KN025-GRX	G	Black	1.31	.87			
* 45KN021-GRX	H	Black	1.45	.90			
45KN022-GRX	I	Black	1.45	.90			
* 450-1170-GRX	H	Black	.93	.56			
450-1171-GRX	I	Black	.93	.56			
450-1017-GRX	J	Black	1.04	.62			
450-2016-GRX	K	Black	.90	.71			
450-2023-GRX	L	Black	.50	.61			
450-2034-GRX	M	Black	.59	.55			
450-2035-GRX	M	Black	.77	.59			
450-2036-GRX	M	Black	.95	.78			
450-2039-GRX	M	Black	1.39	.71			
450-2037-GRX	N	Black	1.16	.71			

RoHS Compliant. This page of product is compliant.
Hex Tapped Spacers

On spacer 3/4" and longer, tap is 3/8" from each end.

SPACERS

Standard Spacers

* Nylon 6/6

All standard nylon spacers can be tapped two thread sizes larger than the screw size listed.

For quantities greater than listed, call for quote.								
MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: in.			Price Each		
			A	B	L	1	100	1000
561-KSP2	A	4	.187	.115	.125			
561-KSP4	A	4	.187	.115	.187			
561-KSP6	A	4	.187	.115	.250			
561-KSP8	A	4	.187	.115	.312			
561-KSP10	A	4	.187	.115	.375			
561-K4.125	A	4	.250	.115	.125			
561-K4.187	A	4	.250	.115	.187			
561-K4.25	A	4	.250	.115	.250			
561-K4.375	A	4	.250	.115	.375			
561-K4.50	A	4	.250	.115	.500			
561-K4.625	A	4	.250	.115	.625			
561-K4.75	A	4	.250	.115	.750			
561-K41.00	A	4	.250	.115	1.000			
561-KSP312	A	4	.250	.115	1.250			
561-K6.25	A	6	.250	.140	.250			
561-K6.375	A	6	.250	.140	.375			
561-K6.437	A	6	.250	.140	.437			
561-K6.50	A	6	.250	.140	.500			
561-K6.625	A	6	.250	.140	.625			
561-K6.75	A	6	.250	.140	.750			
561-K6.875	A	6	.250	.140	.875			
561-K61.00	A	6	.250	.140	1.000			
561-KSP92	A	6	.312	.140	.125			
561-K8.25	A	8	.250	.171	.250			
561-K8.375	A	8	.250	.171	.375			
561-K8.50	A	8	.250	.171	.500			
561-K8.625	A	8	.250	.171	.625			
561-K8.75	A	8	.250	.171	.750			
561-K8.875	A	8	.250	.171	.875			
561-K81.00	A	8	.250	.171	1.000			
561-KSP97	A	8	.312	.171	.187			
561-KSP117	A	8	.312	.171	.500			
561-KSP102	A	10	.312	.194	.250			
561-KSP110	A	10	.312	.194	.375			
561-KSP114	A	10	.312	.194	.437			
561-KSP160	A	10	.375	.194	.125			
561-KSP163	A	10	.375	.194	.187			
561-KSP166	A	10	.375	.194	.250			
561-KSP169	A	10	.375	.194	.312			
561-KSP172	A	10	.375	.194	.375			
561-KSP178	A	10	.375	.194	.500			
561-KSP190	A	10	.375	.194	.750			
561-KSP202	A	10	.375	.194	1.000			
561-KSP205	A	10	.500	.194	.125			
561-KSP220	A	10	.500	.194	.312			
561-KSP225	A	10	.500	.194	.375			
561-KSP235	A	10	.500	.194	.500			

Round Tapped Spacers

Molded from type 6/6 nylon and then machine tapped, these spacers are low cost insulators that can be used in many electrical applications.

For quantities greater than listed, call for quote.									
MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: in.			Price Each			
			A	L	1	100	1000	5000	
561-TSP1	B	4-40	.250	.250					
561-TSP2	B	4-40	.250	.375					
561-TSP3	B	4-40	.250	.500					
561-TSP36	B	4-40	.250	.625					
561-TSP4	B	4-40	.250	.750					
561-TSP37	B	4-40	.250	.875					
561-TSP5	B	4-40	.250	1.000					
561-TSP7	B	6-32	.250	.375					
561-TSP8	B	6-32	.250	.500					
561-TSP38	B	6-32	.250	.625					
561-TSP9	B	6-32	.250	.750					
561-TSP39	B	6-32	.250	.875					
561-TSP10	B	6-32	.250	1.000					
561-TSP11	B	8-32	.250	.250					
561-TSP13	B	8-32	.250	.500					
561-TSP40	B	8-32	.250	.625					
561-TSP14	B	8-32	.250	.750					
561-TSP15	B	8-32	.250	1.000					

Locking Hex Spacer

Economic locking spacers eliminate screws, nuts, and lock washers in mounting P.C. boards on metal chassis or stacking in multiple tiers. Unique locking clips provide a mechanically secure, reusable connection in predrilled or punched holes while saving considerable assembly time.

For quantities greater than listed, call for quote.				
MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	100
561-HPH276	C	Hex locking spacer	1000	5000

MOUSER STOCK NO.	Fig.	Screw Size	L Length (in.)	Price Each		
				1	100	1000
561-L4.25	D	4-40	.250			
561-L4.375	D	4-40	.375			
561-L4.50	D	4-40	.500			
561-L4.625	D	4-40	.625			
561-L4.75	D	4-40	.750			
561-L4.875	D	4-40	.875			
561-L41.0	D	4-40	1.000			
561-L6.25	D	6-32	.250			
561-L6.375	D	6-32	.375			
561-L6.50	D	6-32	.500			
561-L6.625	D	6-32	.625			
561-L6.75	D	6-32	.750			
561-L6.875	D	6-32	.875			
561-L61.0	D	6-32	1.000			
561-L8.25	D	8-32	.250			
561-L8.375	D	8-32	.375			
561-L8.50	D	8-32	.500			
561-L8.625	D	8-32	.625			
561-L8.75	D	8-32	.750			
561-L8.875	D	8-32	.875			
561-L81.0	D	8-32	1.000			

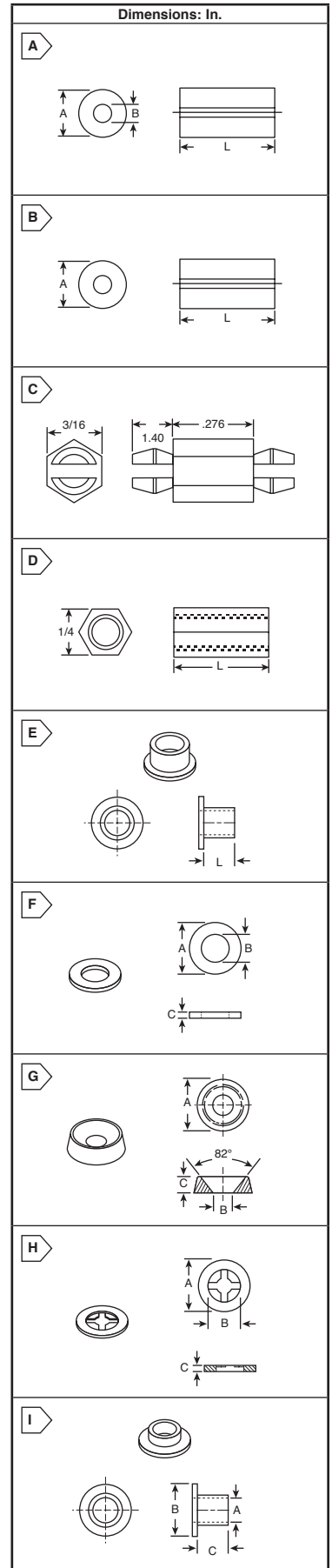
SCREW INSULATORS

Nylon screw insulators are used to isolate metal screws electrically and reduce corrosion. They may also be used as light load bearings in many applications.

For quantities greater than listed, call for quote.						
MOUSER STOCK NO.	Fig.	Screw Size	L Length (in.)	Price Each		
				1	100	500
561-04006	E	4	.063			
561-04012	E	4	.125			
561-06004	E	6	.047			
561-06012	E	6	.125			
561-06018	E	6	.188			
561-06025	E	6	.25			
561-06050	E	6	.50			
561-08012	E	8	.125			
561-08025	E	8	.25			
561-08037	E	8	.375			
561-08050	E	8	.50			
561-10014	E	10	.141			
561-10025	E	10	.25			
561-10037	E	10	.375			
561-10075	E	10	.75			
561-25012	E	1/4	.125			
561-25025	E	1/4	.25			
561-25037	E	1/4	.375			
561-25050	E	1/4	.50			
561-25075	E	1/4	.75			

WASHERS

For quantities greater than listed, call for quote.								
MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: in.			Price Each		
			A	B	C	1	100	1000
Standard Flat Washers								
561-D232	F	2	.250	.090	.032			
561-D262	F	2	.250	.090	.062			
561-D432	F	4	.250	.115	.032			
561-D462	F	4	.250	.115	.062			
561-D4125	F	4	.250	.115	.125			
561-D632	F	6	.312	.140	.032			
561-D662	F	6	.312	.140	.062			
561-D6125	F	6	.312	.140	.125			
561-D832	F	8	.375	.171	.032			
561-D862	F	8	.375	.171	.062			
561-D8125	F	8	.375	.171	.125			
561-D1032	F	10	.375	.194	.032			
561-D1062	F	10	.375	.194	.062			
561-D10125	F	10	.375	.194	.125			
561-D2562	F	1/4	.500	.257	.062			
561-D31262	F	5/16	.500	.317	.062			
561-D37562	F	3/8	.625	.380	.062			
561-D43762	F	7/16	.750	.443	.062			
561-D50062	F	1/2	.750	.505	.062			
Finishing Washers								
561-SFW6	G	6	.437	.143	.100			
561-SFW8	G	8	.510	.171	.115			
561-SFW10	G	10	.580	.191	.152			
Retaining Washers								
561-04032	H	4	.266	.156	.032			
561-04062	H	4	.266	.156	.062			
561-06032	H	6	.328	.198	.032			
561-06062	H	6	.328	.198	.062			
561-08032	H	8	.391	.235	.032			
561-10032	H	10	.453	.277	.032			
561-10062	H	10	.453	.277	.062			
Standard Shoulder Washers								
561-SW6	I	6	.146	.328	.040			
561-SW8	I	8	.174	.375	.050			
561-SW10	I	10	.201	.437	.050			
561-SW25	I	1/4	.260	.562	.060			
561-SW375	I	3/8	.385	.750	.060			



Eagle Plastic Devices Hardware

FEMALE NYLON CIRCUIT BOARD POSTS

- Molded in Natural Nylon 6/6
- Circuit board hole size - .156 diameter
- Panel Thickness: 1/16

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
561-0375A	A	0.375			
561-0500A	A	0.500			
561-0625A	A	0.625			
561-0750A	A	0.750			
561-0875A	A	0.875			
561-1000A	A	1.000			
561-1125A	A	1.125			

MALE-FEMALE CIRCUIT BOARD SUPPORT

- Molded in Natural Nylon 6/6
- 3/8" board spacing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
561-F0375	B	3/8"			
561-F0625	B	5/8"			

SQUARE STANDOFF LED MOUNT

LED mount provides secure mounting of both two and three lead devices. Nylon mount provides protection from heat, shock, and vibration. Symmetrical design with feet on both sides eliminating need for specific side rotation.

- Molded in Natural Nylon 6/6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
561-TRM001	C	TRM 001			

POWER TRANSISTOR MOUNTS

Simplify power transistor mountings and insulation, and improve thermal efficiency with molded insulators.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
Standard - Molded in Natural Nylon 6/6					
561-19PT2	D	TO-66 with barrier			
Heavy Duty - Molded in Glassfilled Polyester					
561-20PT11-HD	E	TO-3 with barrier			
561-18PT1-HD-WOB	E	TO-3 w/o barrier			

POWER TRANSISTOR COVERS

- Molded in Natural Nylon 6/6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
TO-3 Configuration					
561-C01032	F	5 hole			

NYLON PUSH SPACERS

- Hole size: .187"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Panel Depth	Price Each		
		A	B	L		1	100	500
561-PS250	G	.281	.250	.062				
561-PS500	G	.313	.500	.093				
561-PS500A	G	.313	.500	.062				
561-PS625	G	.281	.625	.062				

COVERED SPACERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		A	B	L	1	100	500
561-130001	H	.750	.260	.125			
561-130002	H	.843	.257	.156			
561-130003	H	.835	.218	.500			
561-130004	H	.000	.260	.250			
561-130005	H	.000	.325	.250			
561-130006	H	.000	.250	.125			
561-130007	H	.875	.375	.250			

MINI LOCKING PCB SUPPORTS

- Adhesive Base
- Ideal for smaller sized circuit boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimension A: in.	Price Each			
			1	100	500	1000
561-187TAB	I	0.187				
561-250TAB	I	0.250				
561-312TAB	I	0.312				
561-375TAB	I	0.375				
561-437TAB	I	0.437				
561-500TAB	I	0.500				
561-562TAB	I	0.562				
561-625TAB	I	0.625				

NYLON HEAVY DUTY PCB SUPPORTS

- Snaps into P.C. board from bottom
- Molded in Black Nylon 6/6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Board Clearance	PCB Hole Dia.	Chassis Hole Size	Price Each		
					1	100	500
561-C00500	J	.430-.460	.157	.312			

NYLON HEAVY DUTY PCB SUPPORTS

- Snaps into P.C. board from bottom
- Molded in Natural Nylon 6/6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each	
		A	B	C	D	1	100
561-RV250	K	.375	11/32"	.250	.060		
561-RV375	K	.375	11/32"	.375	.060		
561-RV625	K	.500	13/32"	.625	.063		

REVERSE LOCKING CIRCUIT BOARD SUPPORT STANDOFF

- Molded in Black Nylon 6/6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dim "A"	Body Dia.	Head Height	Hole Size	Price Each	
						1	100
561-RVS500	L	.500	.150	.045	.178		

TWO-PIECE NYLON FASTENER

- Molded in Black Nylon 6/6
- For use with edge connector assembly

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each		
		A	B	C	D	1	100	500
Body Item "A"								
561-0003A	M	.110	.480	-	-			
561-0004A	M	.096	.340	-	-			
Pin Item "B"								
561-0003B	M	-	-	.455	.069			
561-0004B	M	-	-	.340	.062			

TRANSISTOR INSULATORS

- Designed to separate the mounting screw from the insulator
- Molded in Natural Nylon 6/6

For quantities greater than listed, call for quote.

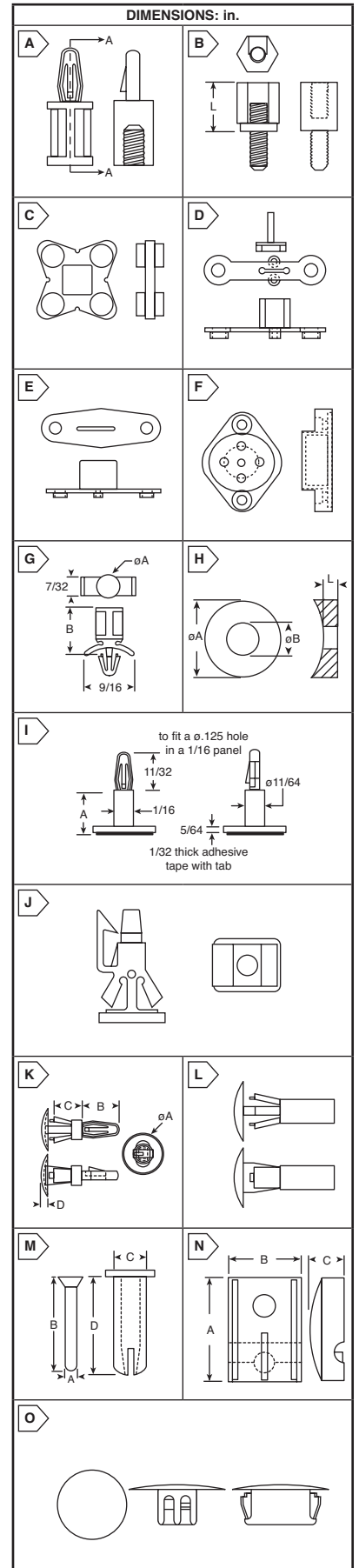
MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		A	B	C	1	100	500
561-T001	N	.680	.476	.219			

KNOCK OUT PLUGS

- Installs with fingertip pressure, no tools required
- Molded in gray nylon
- Head thickness: .125"
- Thickness: .453"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.		Price Each			
		Hole Dia.	Dia.	1	100	500	1000
561-0875KOP	O	0.875	1.016				
561-1093KOP	O	1.093	1.218				
561-1375KOP	O	1.375	1.500				
561-1750KOP	O	1.750	1.925				
561-2000KOP	O	2.000	2.140				





This product is RoHS compliant.

PCB SUPPORTS

“Lock/Tension” Series

Designed to lock to bottom chassis and snap into a 1/16" thick panel.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (in.)		Price Each			
		A	B	1	100	500	1000
561-LT187	A	.187	.307				
561-LT250	A	.250	.365				
561-LT375	A	.375	.495				
561-LT437	A	.437	.557				
561-LT500	A	.500	.625				
561-LT625	A	.625	.745				
561-LT875	A	.875	.995				
561-LT1000	A	1.000	1.120				

“DSP”, “DLP” and “DMSP” Series

- DSP: both ends fit a .156" hole
- DMSP: both ends fit a .125" hole
- DLP: both ends fit a .187" hole

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (in.)		Price Each			
		A		1	100	500	1000
561-DSP125	B	.125					
561-DSP250	B	.250					
561-DSP375	B	.375					
561-DSP437	B	.437					
561-DSP500	B	.500					
561-DSP750	B	.750					
561-DSP1000	B	1.000					
561-DLP250	C	.365					
561-DLP375	C	.495					
561-DLP500	C	.625					
561-DLP750	C	.87					
561-DLP1000	C	1.12					
561-DMSP125	D	.125					
561-DMSP250	D	.250					
561-DMSP375	D	.375					
561-DMSP437	D	.437					
561-DMSP500	D	.500					
561-DMSP750	D	.750					
561-DMSP1000	D	1.000					

PCB LOCKING SUPPORTS

Male Threaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)	Price Each			
			1	100	500	1000
561-LMTP250	E	1/4				
561-LMTP375	E	3/8				
561-LMTP500	E	1/2				
561-LMTP625	E	5/8				
561-LMTP750	E	3/4				
561-LMTP1000	E	1				

Adhesive Base

For quantities greater than listed, call for quote.

561-LAD187	F	3/16				
561-LAD250	F	1/4				
561-LAD375	F	3/8				
561-LAD500	F	1/2				
561-LAD625	F	5/8				
561-LAD750	F	3/4				
561-LAD1000	F	1				

MALE PCB SUPPORT POSTS

For quantities greater than listed, call for quote.

561-MTP125	G	1/8				
561-MTP250	G	1/4				
561-MTP500	G	1/2				
561-MTP750	G	3/4				
561-MTP875	G	7/8				

PCB POSTS

For quantities greater than listed, call for quote.

561-A0250	H	.250				
561-A0312	H	.312				
561-A0375	H	.375				
561-A0500	H	.500				
561-A0625	H	.625				
561-A0750	H	.750				
561-A1000	H	1.00				

KEY-SLOT PCB POSTS

For use in combination with a key-slot so that the circuit board may be removed for repairs.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	A (in.)	Price Each			
			1	100	500	1000
561-KYP187	I	3/16				
561-KYP625	I	5/8				

MALE-FEMALE THREADED STANDOFFS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (in.)			Price Each			
		A	B	L	1	100	500	1000
440 Thread								
561-MF440-25	J	.1875	.1875	.25				
561-MF440-37	J	.1875	.1875	.375				
561-MF440-50	J	.1875	.1875	.5				
561-MF440-62	J	.1875	.1875	.625				
561-MF440-75	J	.1875	.1875	.75				
561-MF440-87	J	.1875	.1875	.875				
561-MF440-100	J	.1875	.1875	1				
561-MF440-125	J	.1875	.1875	1.25				
561-MF440-137	J	.1875	.1875	1.375				
561-MF440-150	J	.1875	.1875	1.5				
561-MF440-200	J	.1875	.1875	2				
632 Thread								
561-MF632-25	J	.25	.219	.25				
561-MF632-375	J	.25	.25	.375				
561-MF632-50	J	.25	.25	.5				
561-MF632-62	J	.25	.25	.625				
561-MF632-75	J	.25	.25	.75				
561-MF632-87	J	.25	.25	.875				
561-MF632-100	J	.25	.25	1				
561-MF632-125	J	.25	.25	1.25				
561-MF632-150	J	.25	.25	1.5				
561-MF632-162	J	.25	.25	1.625				
561-MF632-175	J	.25	.25	1.75				
561-MF632-200	J	.25	.25	2				
832 Thread								
561-MF832-25	J	.25	.2	.25				
561-MF832-37	J	.375	.27	.375				
561-MF832-50	J	.375	.375	.5				
561-MF832-62	J	.375	.375	.625				
561-MF832-75	J	.375	.375	.75				
561-MF832-100	J	.375	.375	1				
561-MF832-112	J	.375	.375	1.125				
561-MF832-125	J	.375	.375	1.25				
561-MF832-150	J	.375	.375	1.5				
561-MF832-200	J	.375	.375	2				

FEMALE NYLON CIRCUIT BOARD POSTS

Note: Self-threading posts are designed for use with a #6 self-tapping screw.

- Recommended hole size: .156" • 1/4" length has a thread depth of 13/64"
- Panel thickness: 1/16"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread	Length (in.)	Price Each			
				1	100	500	1000
561-FSTP250	K	Self	.250				
561-FSTP375	K	Self	.375				
561-FSTP500	K	Self	.500				
561-FSTP625	K	Self	.625				
561-FSTP750	K	Self	.750				
561-FSTP1000	K	Self	1.000				
561-FTP250	L	8-32	.250				
561-FTP375	L	8-32	.375				
561-FTP500	L	8-32	.500				
561-FTP625	L	8-32	.625				
561-FTP750	L	8-32	.750				
561-FTP1000	L	8-32	1.000				

NYLON PCB SUPPORTS “LOCK/LOCK” SERIES

The “LLP” series is designed to securely lock both the chassis end and the printed circuit board on top.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	A	B	Price Each			
				1	100	500	1000
561-LLP187	M	.187	.307				
561-LLP250	M	.250	.365				
561-LLP375	M	.375	.495				
561-LLP500	M	.500	.625				
561-LLP625	M	.625	.745				
561-LLP1000	M	1.000	1.120				

DIMENSIONS: in.

A To fit .187 hole B A To fit .156 hole
9/16 7/32

B .035 .152 .172 .06
9/32 A

C A

D .03 .23 .121 .141 .06
A

E .40 L 1/16 5/16 1/16 8-32 Thread
1/4 To fit .156 hole

F To fit .156 hole .40 273 ref. L 1/16 .078
Base is .70 Square

G To fit .152 hole .07 L .235 .17 .05 .141 6-32 Thread

H To fit .152±.002 hole .07 .172 .17 .14 .07 9/32 .14

I .065 A .171 .231 L .125 / .130 .240 / .250
To fit a .156 hole in a 1/16 Panel Thickness. Recommended Mfg. Slot

J B A L
1/4

K ø7/32 5/16 .11 .187 .40 5/16 min. L 1/16 8-32 Thread

L ø7/32 5/16 .11 .187 .40 5/16 min. L 1/16 8-32 Thread

M To fit .187 hole .03/.078 panel B A To fit .158 hole 1/16 panel
9/16



PCB HARDWARE

EZ-Links

Features:

- Designed to link PCB tracks where through hole links are not possible.
- Typical applications include use on aluminum backplanes in power applications.
- Low profile options available for space saving design.
- High current
- Small footprint

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
* 855-S1621-06R	S1621-06R	A	SMT Jumper Link, Tin/Lead, 12.3mm long				
855-S1621-46R	S1621-46R	A	SMT Jumper Link, Tin, 12.3mm long				
855-S1731-46R	S1731-46R	B	SMT Jumper Link, Tin, 6.86mm long, 2.54 high				
855-S1911-46R	S1911-46R	C	SMT Jumper Link, Tin, 6.85mm long, 0.97 high				

* Non-RoHs Compliant

EZ-Shield Clips - Allows RFI Shield Component Rework without Desoldering

Features:

- SMT Device offering a fast solution for assembling RFI shields to PCBs.
- Eliminates the need for through holes and post reflow operations.
- Save PCB real estate.
- Mini Clip uses 40% less space than Midi and Maxi.
- Substantial improvement in time and simplicity of assembly tuning and re-work.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
855-S1411-46R	S1411-46R	D	SMT RFI Clip, Maxi, Tin				
* 855-S1711-06R	S1711-06R	D	SMT RFI Clip, Midi, Tin/Lead				
855-S1711-46R	S1711-46R	D	SMT RFI Clip, Midi, Tin				
* 855-S1721-06R	S1721-06R	E	SMT RFI Clip, Mini, Tin/Lead				
855-S1721-46R	S1721-46R	E	SMT RFI Clip, Mini, Tin				

* Non-RoHs Compliant

EZ-Test Points

Features:

- Ideal for use with standard probes, clips and hooks.
- Can be placed using industry standard equipment.
- Suitable for automatic or manual test.
- High speed placement
- Industry standard Tape and Reel packaging.
- Strong and Durable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
* 855-S1751-06R	S1751-06R	F	SMT Test Terminal, Tin/Lead				
855-S1751-46R	S1751-46R	F	SMT Test Terminal, Tin				

* Non-RoHs Compliant

EZ-Spring Contacts

Features:

- Prevents EMC noise and static.
- Simple and effective method for connecting multiple PCBs.
- No special tooling required, uses standard pick and place equipment.
- Protected tips prevent product from hooking.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Dimensions: mm		Finish	Price Each			
			H	L		1	10	25	50
855-S1741-46R	S1741-46R	G	2.5	5.4	Tin				
855-S1761-42R	S1761-42R	H	3.5	4.5	Gold+Tin				
855-S1791-42R	S1791-42R	H	4.0	7.0	Gold+Tin				
855-S7051-42R	S7051-42R	I	6.0	4.1	Gold+Tin				
855-S7061-42R	S7061-42R	J	5.5	7.0	Gold+Tin				
855-S7071-46R	S7071-46R	K	2.5	3.5	Tin				
855-S7081-42R	S7081-42R	L	2.75	6.25	Gold+Tin				
855-S7091-42R	S7091-42R	M	2.7	3.7	Gold+Tin				
855-S7101-42R	S7101-42R	N	3.5	4.05	Gold+Tin				
855-S7041-42R	S7041-42R	N	4.0	4.0	Gold+Tin				
855-S7111-42R	S7111-42R	N	4.5	4.0	Gold+Tin				
855-S7121-42R	S7121-42R	O	1.7	2.5	Gold+Tin				

EZ-Cable Clips

Features:

- Suitable for use with insulated cables with outer ϕ 0.9 to ϕ 0.3mm pick and placed.
- Low profile & small footprint saves PCB space.
- Cable clip can be soldered at the same time as the rest of the board, reducing additional operation time required for mounting plastic clip types.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
855-S8091-46R	S8091-46R	P	Cable Clip for 0.9mm Cable				
855-S8101-46R	S8101-46R	P	Cable Clip for 1.0mm Cable				
855-S8111-46R	S8111-46R	P	Cable Clip for 1.0 - 1.5mm Cable				
855-S8121-46R	S8121-46R	P	Cable Clip for 1.50 - 2.00mm Cable				
855-S8131-46R	S8131-46R	P	Cable Clip for 2.00 - 3.00mm Cable				

EZ-Coin Cell Battery Retainer

Features:

- Highly effective retention of coin cell batteries.
- Eliminates the need for soldered-in cells.
- Vertical Mount minimizes PCB real estate usage.
- Low profile design available with dual independent contact points for enhanced electrical reliability.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Battery Type	Price Each			
				1	10	25	50
855-S8201-46R	S8201-46R	Q	CR1225/BR1225				
855-S8211-46R	S8211-46R	R	CR2016/CR2025/CR2032 and BR2016/BR2020/BR2025				
855-S8401-46	S8401-46	S	CR2032 and BR2032				
855-S8411-45R	S8411-45R	T	CR1220				
855-S8421-45R	S8421-45R	U	CR2032				

EZ-Board PC Board Socket, SMT

Features:

- Accepts pins of between ϕ 1.10mm and ϕ 1.80mm.
- Rated to 8 Amps electrical current.
- Reduced component costs.
- Greatly reduces process costs by removing the need for secondary operations.
- SMT product is pick and place-able using standard assembly machines.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
855-S9101-46R	S9101-46R	V	Surface Mount, Tape & Reeled, to mate with ϕ 1.10 to ϕ 1.80mm pin				

All EZ Boardware available on T&R

HARWIN Metric Spacers and Shorting Links HARWIN

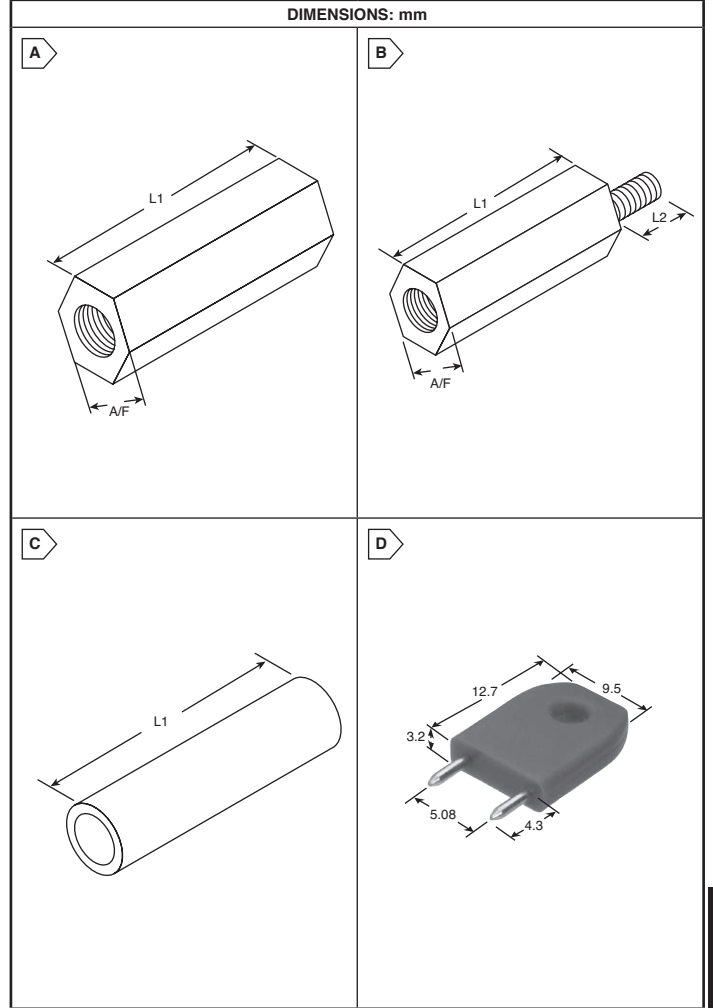
RoHS Compliant This product is RoHS compliant.

METRIC HEX SPACERS

Threaded-Brass/Nickel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	A/F	L1 (mm)	L2 (mm)	Price Each				
						1	10	25	50	100
Female										
855-R30-1010402	A	M3 X 4mm	5.5	4	---					
855-R30-1010702	A	M3 X 7mm	5.5	7	---					
855-R30-1010802	A	M3 X 8mm	5.5	8	---					
855-R30-1010902	A	M3 X 9mm	5.5	9	---					
855-R30-1011002	A	M3 X 10mm	5.5	10	---					
855-R30-1011102	A	M3 X 11mm	5.5	11	---					
855-R30-1011202	A	M3 X 12mm	5.5	12	---					
855-R30-1011302	A	M3 X 13mm	5.5	13	---					
855-R30-1011402	A	M3 X 14mm	5.5	14	---					
855-R30-1011502	A	M3 X 15mm	5.5	15	---					
855-R30-1011602	A	M3 X 16mm	5.5	16	---					
855-R30-1011802	A	M3 X 18mm	5.5	18	---					
855-R30-1012002	A	M3 X 20mm	5.5	20	---					
855-R30-1012502	A	M3 X 25mm	5.5	25	---					
Male/Female										
855-R30-3000402	B	M3 X 4mm	5.0	4	6					
855-R30-3000502	B	M3 X 5mm	5.0	5	6					
855-R30-3000602	B	M3 X 6mm	5.0	6	6					
855-R30-3000702	B	M3 X 7mm	5.0	7	6					
855-R30-3000802	B	M3 X 8mm	5.0	8	6					
855-R30-3000902	B	M3 X 9mm	5.0	9	6					
855-R30-3001002	B	M3 X 10mm	5.0	10	6					
855-R30-3001102	B	M3 X 11mm	5.0	11	6					
855-R30-3001202	B	M3 X 12mm	5.0	12	6					
855-R30-3001302	B	M3 X 13mm	5.0	13	6					
855-R30-3001402	B	M3 X 14mm	5.0	14	6					
855-R30-3001502	B	M3 X 15mm	5.0	15	6					
855-R30-3001602	B	M3 X 16mm	5.0	16	6					
855-R30-3001802	B	M3 X 18mm	5.0	18	6					
855-R30-3001902	B	M3 X 19mm	5.0	19	6					
855-R30-3002002	B	M3 X 20mm	5.0	20	6					
855-R30-3002402	B	M3 X 24mm	5.0	24	6					
855-R30-3002502	B	M3 X 25mm	5.0	25	6					
855-R30-3003002	B	M3 X 30mm	5.0	30	6					
855-R40-3000702	B	M4 X 7mm	7.0	7	8					
855-R40-3000802	B	M4 X 8mm	7.0	8	8					
855-R40-3000902	B	M4 X 9mm	7.0	9	8					
855-R40-3001002	B	M4 X 10mm	7.0	10	8					
855-R40-3001102	B	M4 X 11mm	7.0	11	8					
855-R40-3001202	B	M4 X 12mm	7.0	12	8					
855-R40-3001302	B	M4 X 13mm	7.0	13	8					
855-R40-3001402	B	M4 X 14mm	7.0	14	8					
855-R40-3001502	B	M4 X 15mm	7.0	15	8					
855-R40-3001602	B	M4 X 16mm	7.0	16	8					
855-R40-3001802	B	M4 X 18mm	7.0	18	8					
855-R40-3002002	B	M4 X 20mm	7.0	20	8					
855-R40-3002502	B	M4 X 25mm	7.0	25	8					
855-R40-3003002	B	M4 X 30mm	7.0	30	8					



METRIC CIRCULAR SPACERS (CONT.)

Clearance Type (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	O/D (mm)	L1 (mm)	Price Each					
					1	10	25	50	100	
Nylon 66										
855-R30-6700394	C	M3 X 3mm	5	3						
855-R30-6700494	C	M3 X 4mm	5	4						
855-R30-6700594	C	M3 X 5mm	5	5						
855-R30-6700694	C	M3 X 6mm	5	6						
855-R30-6700794	C	M3 X 7mm	5	7						
855-R30-6700894	C	M3 X 8mm	5	8						
855-R30-6700994	C	M3 X 9mm	5	9						
855-R30-6701094	C	M3 X 10mm	5	10						
855-R30-6701194	C	M3 X 11mm	5	11						
855-R30-6701294	C	M3 X 12mm	5	12						
855-R30-6701394	C	M3 X 13mm	5	13						
855-R30-6701494	C	M3 X 14mm	5	14						
855-R30-6701594	C	M3 X 15mm	5	15						
855-R30-6701694	C	M3 X 16mm	5	16						
855-R30-6702094	C	M3 X 20mm	5	20						
855-R30-6702594	C	M3 X 25mm	5	25						

D308 SERIES - 1.00MM SHORTING LINKS

Specifications:

- Uninsulated links can be soldered directly into PCB for permanent linking
- Moulding: Acetal Copolymer UL94-HB
- Contact: Brass
- Current Rating: 10A at 20°C
- Gold Plated

* Non-RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Insulation Color	Price Each		
				1	100	500
Uninsulated						
* 855-D3080-05	D3080-05	-	-			
Insulated						
855-D3086-97	D3086-97	D	Blue			
855-D3086-98	D3086-98	D	Black			
855-D3086-99	D3086-99	D	Red			